Advanced Aerospace Propulsion

A New Theoretical
and
& Experimental Approach

By

David B. Sereda Copyright 2005

This paper is divided into Two Sections:

Part I – New Theory

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ITRODUCTION – Statement by Dr. Earl Van Landingham (former NASA Head of Propulsion, Power & Energy under James Fletcher) on UFOs. Why mainstream propulsion physics cannot accept that they are real.

How this paper will propose the answer as to how UFOs are breaking the laws of propulsion physics without violating Einstein's laws.

CHAPTER I – THE PROBLEMS AND LIMITATIONS OF INCREASING ENERGY ON MASS (AIR & SPACECRAFT) WITH CURRENT ROCKET AND ION-PROPULSION SYSTEMS.

CHAPTER II – A REVOLUTIONARY APPROACH "REDUCING MASS-GRAVITY EFFECT BY WAVE TRANSFORMATION OF MASS"

A – LOOKING AT ALL WAVE-PARTICLE RELATIONSHIPS IN ALL 4 DIMENSIONS
VERSUS THE CURRENT 2-D (3-D includes Time) MODEL with (OSCILLOSCOPES)

INTRODUCTION TO THE NEW "GALAXY CLOCK" 4-D WAVE-PARTICLE CLOCK FOR MEASURING ALL WAVE-PARTICLE RLEATIONSHIPS FROM QUANTUM TO ASTROPHYSICAL MODELS

Will take a new look at:
Einstein's 4 dimensions
Schrodinger's wave -experiment on water in all 4 dimensions
Niels Bohr in all 4 dimensions
Using the Galaxy Clock model, finding the missing particle (the Graviton") in the differential between the anti-particle and particle pairs. Merging the Gravity and electromagnetic forces into One Theory.

B - COMPARING THE QUANTUM WAVE-PARTICLE-RELATIONSHIP OF THE GREATEST MASS PARTICLES TO THE LEAST (ELECTRON) IN PARTICLE COLLISSIONS with the Galaxy Clock 4-D wave-particle tool

C – COMPARING THE RESULTS OF THE QUANTUM MODEL TO THE ASTROPHYSICAL MODEL (GALAXIES) AND UNIVERSAL MODELS with the Galaxy Clock tool

D – NEW REVELATIONS ON BLACK HOLES – THE "MASS-GRAVITY REDUCING EFFECT"

E – THE DISSAGREEMENT ON THE RESULTS REVEALS THE HIDDEN CLUE

F – STUDYING HOW THESE NEW RESULTS COULD BE APPLIED TO MASS AND AERO-SPACE CRAFT TO REDUCE MASS-GRAVITY EFFECTS AND HIGH-VELOCITY INERTIAL MASS INCREASES.

G – UFOs EXHIBIT EVIDENCE OF MASS-PARTICLE (SPACECRAFT) WAVE RELATIONSHIP – using real photographs to illustrate.

CHAPTER III – A LOOK AT THE WAVE-PARTICLE RELATIONSHIPS IN MASS VERSUS ZERO MASS PARTICLES (MASS VERSUS LIGHT)

The Photo-Electric Effect – "Does the photon have mass debate?" If it has no mass, how does it knock out the electron in the conductor? If it is electromagnetism that knocks out the electron in the conductor, does the electron possess a small electromagnetic charge? If a photon has mass, why can it attain the speed of light? Has the photon reduced the effects of Gravity-mass to near zero? How did it do it?

CHAPTER IV – HOW TO REDUCE THE MASS-GRAVITY EFFECT OF AN AERO-SPACECRAFT TOWARDS ZERO

A Zero-mass-gravity spacecraft can now attain the speed of light and beyond with near zero energy. The initial energy applied to cause the reducing mass-gravity effect.

CHAPTER V – EVIDENCE OF WAVE TRANSFORMATION OF MASS (REDUCING MASS GRAVITY EFFECT IN UFO 7 CROP CIRCLE CASES

Here we will examine precise wave patterns revealed in numerous UFO cases to identify a language of wave-transformation of mass to cause the reduction of mass-gravity effects.

CHAPTER VI – SPACE PROPULSION FOR LIGHT SPEED AND BEYOND

Here we will compare David Sereda's theory on breaking light speed published in (copyright 2000) Evidence, the Case for NASA UFOs, and Joao Magueijo's "Faster than the Speed of Light" (copyright 2003).

Also to be explained will be how and why Dr. Raymond Chiao's revolution in causing photons to break the speed of light occurred (1989) in the Galaxy Clock Model.

Also, a new theory will be presented on how to break the speed of light in the very low-frequency wave dimensions. This new work will explain parallel dimensions that are invisible to relativity that cross one another towards infinity at many times faster than the speed of light.

CHAPTER VII – SINGULAIRTY – THE REVELATION

INTRODUCTION

The Statement by Dr. Earl Van Landingham (former NASA Head of Propulsion, Power & Energy under James Fletcher) on UFOs. Why mainstream propulsion physics cannot accept that they are real.

In 1989, I asked Dr. Van Landingham "Has NASA made contact with an extraterrestrial civilization?" He answered,

> "No. When you consider how much energy it would take, in the form of propulsion, to get a spacecraft up to 99% of the speed of light (186, 282 mps), the energy signal radiating from that craft would be so massive, every radio astronomer, amateur and professional, would see the signal well in advance of the arrival of the spacecraft, and we have never seen anything like that yet."

An event like this could never be hidden from amateur radio astronomers. We would all see the craft coming in towards Earth for many years prior to their arrival. It has never happened in this way. This we deduct is because either the UFO phenomenon is an illusion or the ETs are doing it another way.

CHAPTER I – THE PROBLEMS AND LIMITATIONS OF INCREASING ENERGY ON MASS (AIR & SPACECRAFT) WITH CURRENT ROCKET AND ION-PROPULSION SYSTEMS.

As our current approaches towards propulsion rely on using rocket fuels, futuristic ion propulsion systems (nuclear propulsion), worm holes and gravity theories (exotic), if we consider Einstein's increase mass law (the faster mass travels, inertia increases its mass thus it gets heavier and more and more energy is required to accelerate towards the speed of light), the energy required to attain 99.99% of the speed of light (according to particle accelerator studies) is 1 TeV or greater. This is the energy required in the form of charged particles, such as ion propulsion or anti-proton propulsion systems.

Dr. Van Landingham stated in 1989 that at the University of Wisconsin at Madison, studies were being done into anti-proton propulsion systems. He was particularly interested in Dr. Bogdan C. Maglich's D+Helium-3 fusion reactor design due to its low radioactivity and power source that converts directly to electricity obviating the heat cycle common to most nuclear energy conversions. D+Helium-3 fusion produces 18MeV charged protons ideal to produce velocities in anti-proton propulsion drives up to 1/10th the speed of light (67 million mph).

Considering the 60% energy loss common to most nuclear fuels thermal conversion to charged particle energy, the reality of ever attaining 1TeV or greater anti-proton or ion propulsion drives is not possible with any of the known nuclear fuels in the Periodic Table of Elements. In fact, 1 TeV is never found in any of the nuclear fuels in the Periodic Table, in the form of heat or in charged particles. It is not possible.

If we consider the negative energy required to produce a wormhole with a narrow funnel (Kip Thorn, Caltech), equal to the negative energy of a hundred thousand suns for one year, ideas of attaining energy levels that high are also fictitious, and would be evident if the ETs were doing it this way. They are not evident. This again would mean that either the UFO phenomenon is an illusion or the ETs are attaining propulsion velocities at the speed of light or greater another way.

Considering exotic gravity drive systems (enveloping a spacecraft in its own gravity envelope) we have to consider that in order to counteract the forces of gravity from suns, stars and planets, the "Mass-Gravity Effect" of the enveloped craft would have to be greater than that of the planet or sun it is competing with. That increase in the mass-gravity effect of the craft would destroy any mass spacecraft and pilot with G-Forces beyond the capacity to survive.

If we consider that even if we continue on our current approach to propulsion drive systems by increasing energy on mass via more powerful rocket fuels, and exotic ion propulsion systems and anti-proton propulsion systems, a pilot would be destroyed either the by the increase of the pilot's mass (Einstein) with linear acceleration, or further destroyed if at for example 1/10th the speed of light (67 million mph), the pilot had to turn to avoid an incoming asteroid or planet, the G-Force would devastate the pilot and destroy the mass of the craft.

CHAPTER II – A REVOLUTIONARY APPROACH "REDUCING MASS-GRAVITY EFFECT BY WAVE TRANSFORMATION OF MASS"

How this paper will propose the answer as to how UFOs are breaking the laws of propulsion physics without violating Einstein's laws

Abstract

Considering the impossibility of any of the current approaches to propulsion at realistic attainment of the speed of light or beyond due to the impossible effects of inertial mass increases with increased velocity, also mass-gravity-effects increases with gravity enveloping, and impossible energy required to get mass (spacecraft) towards 99% the speed of light, let alone Einstein's limit at "c," the new theory will explore how to "Reduce the Mass-Gravity Effect" of a spacecraft and pilot towards "Zero."

If, by exotic theory (Started by David Sereda in 2000), a spacecraft's "Mass-Gravity Effect" can be reduced to zero first, before mobilizing propulsion energy, the energy required to attain the speed of light and beyond (for a Zero-Mass Gravity Effect Spacecraft) in an Einstein formula would be so small, near zero energy, that the final conclusion would be that it (the UFO) would not be detectable as Dr. Van Landingham suggested it should be considering Einstein's law: at 1 TeV or greater. In fact, it would be invisible as mass, but detectable somewhere in the EM spectrum, even the invisible,

as a Zero-Mass-Gravity Effect Spacecraft. Further, the theory could prove how energy can no longer be an issue in propulsion, rather it is an obstacle.

Understanding Gravity as an Effect

After getting completely frustrated with the impossible energies required to get mass toward 99% the speed of light, and the current approaches being impossible, the only logical alternative in the game of process of elimination, is to explore this new idea that the mass-gravity-effect is just that: an effect and not a solid reality. That effect can be weakened or increased.

UFOs defy Mass-Gravity-Effect

Considering some of the maneuvers of UFOs (sudden acceleration, sudden stops or sharp angular turns all at high velocities, and invisibility), their behavior can only be explained by the idea of a craft having attained a zero-mass-gravity effect state. Because only at zero-mass-gravity effect can a pilot or spacecraft experience Zero G-force at such high velocity turning, stopping and sudden acceleration. Invisibility can be understood with the same principles later in this paper. This has to be the way they are doing it.

Photons defy Mass-Gravity-Effect

When we observe natural phenomena such as all objects, regardless of their mass, falling towards Earth's gravity at the same velocity (Newton, Galileo), and that light waves (photons) can escape Earth's Gravity (thus not affected by Earth's Gravity enough to bound them to Earth), Photons (and their wave state) are capable of experiencing anti-gravity.

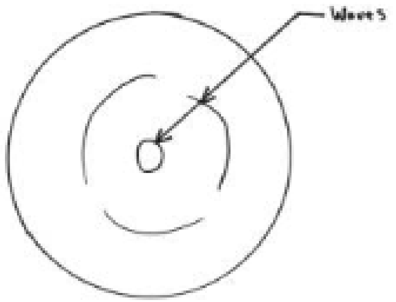
In this paper, we will study the wave-particle state of photons and their alleged Zero-Mass-Gravity Effect state versus mass and its gravity state to search for differences and clues into how it may be possible to cause mass to reduce its mass-gravity effect. We will look at both light and mass in all four Einstein dimensions (visually) and challenge discoveries of the mass-gravity effect in both the quantum world and the astrophysical model to find a major disagreement. This major disagreement will open the door to proving that the "Mass-Gravity Effect" is not as consistent as it appears and that it can be reduced or increased by changing the wave state of mass.

If we can theoretically prove that the Mass-Gravity Effect can be reduced in a single atom, and by observations that have already been made in particle physics (but overlooked), then experimentation can be done to try and duplicate the transformation.

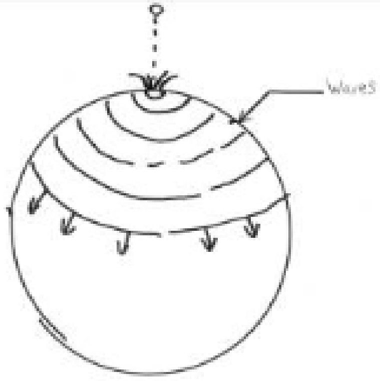
A – LOOKING AT ALL WAVE-PARTICLE RELATIONSHIPS IN ALL 4 DIMENSIONS VERSUS THE CURRENT 2-D (3-D includes Time) MODEL with (OSCILLOSCOPES)

In order to make proper observations about the wave-particle relationship of mass versus light to search for the answer as to how to reduce the Mass-Gravity-Effect, we will have to go beyond current models (oscilloscopes, 2 and 3-D models on paper) used to analyze and study waves and particles. We need to search for the answer by looking at particle-wave pairs visually in all four of Einstein's dimensions.

Even when we analyzed early experiments of how waves move over the surface of water, we did the work on a two-dimensional sheet of paper and had to calculate the third spatial dimension plus time. By not actually looking at all 4 dimensions, we miss the hidden secrets. For example, let us look at the waves on the surface of water on the current model, versus all 4 dimensions to see what is missing (see diagram Chapter II – A and B).



Chapter II – A Diagram



Chapter II – B Diagram

Chapter II – A Diagram we can see how waves radiate or migrate away from the point of origin (the point where a pebble is dropped into a lake) across a two-dimensional page. It is classic, but very flawed. The two dimensional page does not include that the surface of the water is not flat. That is a rather myopic view of the water. If we move out into space, we can clearly see that the surface of the Earth is curved, and so is the surface of any body of water. That means when we drop the pebble into the water, the pebble continues below the surface of the water and spins as the Earth is spinning, send out spiraling waves towards the surface of the water. As the surface wave moves across the curved surface of the water, it is not only moving over the surface (spreading itself out), but it is propagating in a curvature over the sphere and will move forwards (inwards) simultaneously across the surface. It will max out at the largest circumference of the Earth (resonate through land mass – encounter resistance) but its left-over weak force will eventually spiral towards smaller and smaller orbits across the sphere and come to a point as small as the point of origin where the pebble was first dropped into the water. In all 4 dimensions, the wave has many aspects compared to the 2-D model (plus time):

1. Forward Propagation
2. Lateral Propagation
3. Spiral Spin Velocity
4. Amplitude
5. All 3 encounter Earth's Rotation Spin
6. The Solar System's Spin
7. The Galaxy's Spin

With this new awareness, the wave- particle -effect of just dropping a pebble in a lake, has many dimensions to explore to search for answers to the original question: What is the wave state of mater versus light? This exploration is going to reveal the hidden clue and theorize where the missing Graviton is, What really happened in the Big Bang that we cannot see in the current model, Black Holes, Sub-Atomic explosions, and their contradictions with Einstein's theory on Gravity and Black Holes.

INTRODUCTION TO THE NEW "GALAXY CLOCK" 4-D WAVE-PARTICLE CLOCK FOR MEASURING ALL WAVE-PARTICLE RLEATIONSHIPS FROM QUANTUM TO ASTROPHYSICAL MODELS

Will take a new look at:
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Einstein's 4 dimensions – Another approach

While Einstein's 4 dimensions appear to fit into a square box (Height, Width, Depth, Time), we forget to mention that when we add Time, the forth Dimension, all points in the 4 dimensions are curved; and that those curvatures eventually spiral into concentric orbits, which have frequency.

For example, if we take any point of a person standing on the earth over time, the point where the person exists will spin around with the turning of the earth (one revolution per day - a curvature); the earth in turn spins around the sun (one revolution per year - another curved path); which in turn, the solar system spins around the Galaxy (every 250 million years – another curved path). Wave-particle spins within multiple wave-particle relationships.

If we follow any pint in the 4 dimensions over time, from a half a second to 250 million years, we will find that the wave path of the particle-wave relationship will reveal itself to be a curvature over short moments of time, and concentric circles or spirals over longer periods of time.

My point in showing this correction to the model is that while making any observations in a square or flat model, we are not seeing the truth. The truth is that we do not observe any flat spaces, just very long and subtle curvatures.

Schrodinger's Wave Experiment on Water in 4 – dimensions

If we examine the very earliest experiments done on wave patterns caused by dropping a pebble into a still pond or lake, we can see how waves propagate over what appears to be a flat surface in diagram A below.

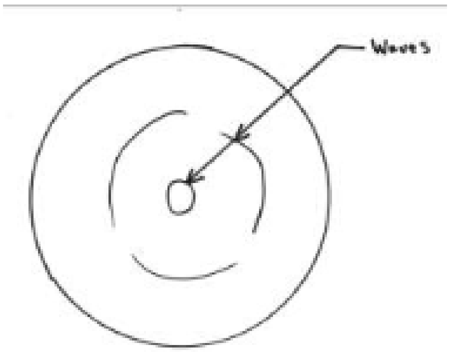


Diagram A Showing Waves rippling over water

But if we examine the waves in all 4 dimensions including time, we can see that the added dimension reveals the flaw that the waves are not propagating over a flat surface. As we look at the next diagram B, we can see the reality immediately.

Pebble Drops in Lake or Ocean

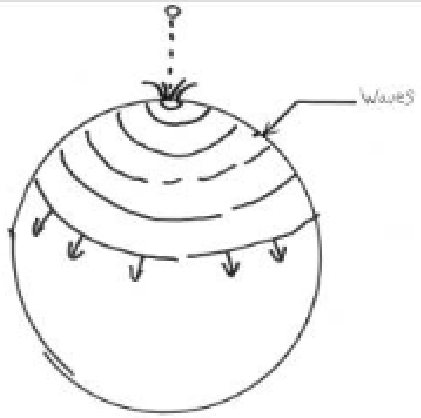


Diagram B Shows Waves moving in 4 curved Dimensions

All of this is just to prepare us to make the observation involving the answer to many of the problems in physics today, starting with the missing particle: the "Graviton." Any lake or pond can appear flat in the mind, but in reality the earth is curved and the wave is moving over a curved surface. Just keep thins thought in mind when making any observations that are going to get more complicated, from Electromagnetic waves, light waves, brain waves, sound waves, atomic waves, etc.

Niels Bhor's Hydrogen Atom in 4 dimensions

By 1915, Niels Bohr's hydrogen atom revealed a model that proved the energy levels of the atom, caused by minor shifts in the electron, could shift. When the electron spinning around the proton jumped to a shell further away from the atom's center, the atom would gain energy. Niels Bohr also noted that when the electron jumped to an orbiting shell closer to the center, it radiated off (lost) energy.

David Sereda: Looking at the atom in all 4 dimensions, when the particle-wave relationship of the electron jumps to a shell further out, it's frequency (counted by revolutions around the electron per second) becomes lower. As we will learn later, lower frequency particle-wave relationships yield greater mass particles. Higher frequency wave-particle relationships yield lower mass particles.

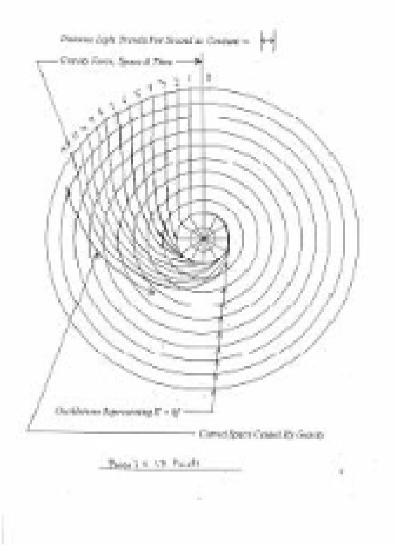
In Niels Bohr's experiment, in an Einstein equation, if the electron gained energy by shifting to a lower frequency shell (further out), it gained mass. That means in relation to gravity, it's mass-gravity effect increased.

Niels Bohr also noted that when the electron jumped to an orbiting shell closer to the center, it radiated off its energy. If it radiated off its energy by jumping to a higher frequency wave-particle relationship, its mass-gravity effect would also be reduced.

I think the Niels Bohr experiment proves something so shocking in a quantum model, that it was overlooked. We will get more into the precise meaning of this discovery as this paper evolves.

But if Bohr's hydrogen atom tells us that the mass-gravity effect of an atom can be altered even slightly, then what would happen if it was altered on a grander scale? Could we reduce the mass-gravity effect of atoms in steel aircraft or even ocean vessels?

The Galaxy Clock 4-D Wave-particle Model


Distance Light Travels Per Second at Constant c
Oscillations Representing E = hf
Curved Space Caused By Gravity

Phase I Galaxy Clock

Designed to see wave-particle trails in all 4-dimensions, the Galaxy Clock model focuses mostly on the third spatial dimension of a wave (depth) because this is the angle of the wave that is missing in the Oscilloscope model.

Because we do not actually see light waves, we are limited to studying their effects based on Einstein's photo-electric effect. Because photons are said to be mass-less particles, they do not leave any trails in particle explosions captured in gas chambers or bubble chambers. Scintillation counters again only see their effects. But scintillation counters are the best way to follow their wave formations and paths.

I propose that deeper studies need to be done on the exact patterns that light waves travel in. I propose, based on the 4-d model, that they are all spinning waves with spiral spin velocity, forward propagation, angular momentum, and interference patterns with other waves.

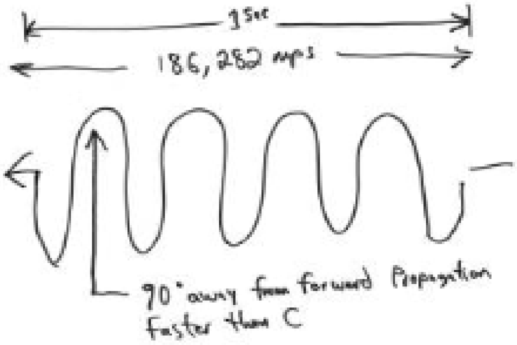
What is normally seen as a series of wave peaks (measured per second to determine Hertz), in oscilloscope models, the Galaxy Clock measures the spin velocity of a wave, counts the number of peaking revolutions at the 12:00 position, and also considers the diameter x 3.14 Pi ratios of waves. Amplitude and Frequency are merely simple aspects of the wave. Each second on the Clock (with all wave dimensions presented) reveals the distance light spins through a wave at. Because this distance is a constant, we measure equal distances on each wheel or path that light spins through. Like seconds on a clock, light (photons) spin through their wave relationship at a constant speed, I predict at least 3.14 x C in order to forward propagate at C.

The Galaxy Clock first reveals that frequency is determined by the number of oscillations per second. This is measured by the spiral spin velocity and the diameter x Pi to determine how many times the particle will spin through the wave per second. For example, if two particle waves have the same diameter but different spin velocities, they will have different frequencies.

The Galaxy Clock looks at a series of wave-particle paths with 10 different diameters. We can see that the smaller diameter waves spin at a higher frequency than the larger ones. This starts to show us what higher frequency lights waves should really look like if we could see them.

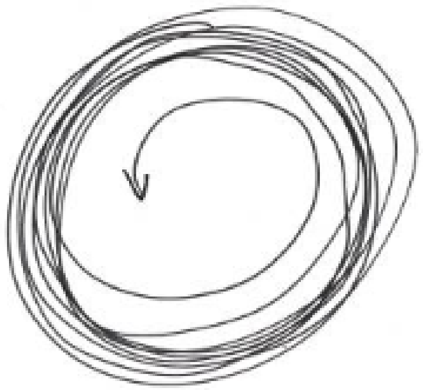
What we do not see in the Galaxy Clock model is the forward propagation dimension revealed in a 2-D model.

It is easy to see that light waves obviously spin faster than they forward propagate at the speed of light. Even in this 2-D (plus Time) model, we can see that if a wave particle is moving through the wave from right to left at the speed of light, the velocity at 90 degrees away from its forward propagation is going to be faster than the speed of light.



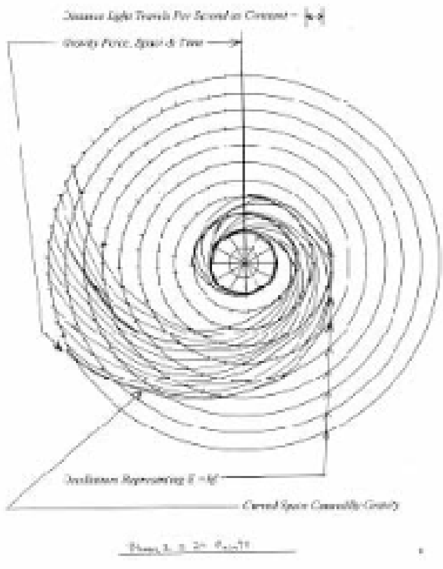
Because Einstein's Relativity theory relies on the speed of light to be constant, it cannot detect the velocity at 90 degrees from forward propagation of a light wave. It remains invisible and unseen by the angle we measure events at.

But considering that the 2-D model is incorrect, the light wave is actually spinning 90 degrees away from forward propagation at least 3.14 times the speed of light (C).



Model of Light Wave Spinning faster than C

All of this remains invisible to relativity. Perhaps this is why so much of the light wave remains invisible to detectors, and why we can only see the effects of light, without actually observing the wave pattern itself.


Distance Light Travels Per Second as Constant =
Gravity Force, Space & Time
Oscillation Representing E = hf
Curved Space Causing Gravity

Phase II Galaxy Clock

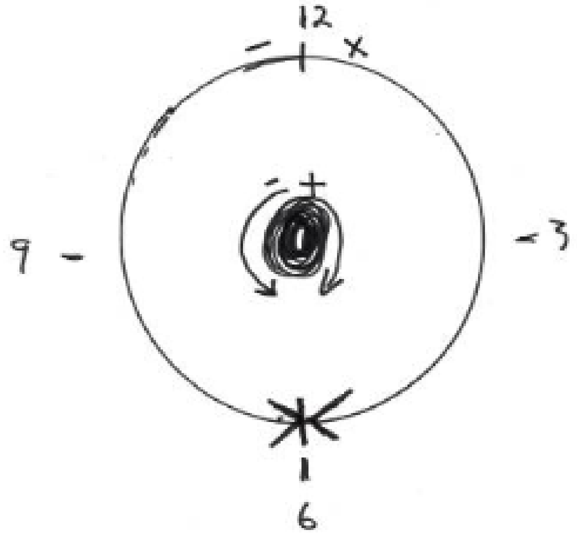
The Phase II Galaxy Clock reveals what happens when we draw a line through all of the second counts on each wheel. It starts to resemble a galaxy and many other **Fibonacci Spiral** forms in nature. It is giving us a clue that the workings of nature are following the correct wave-particle paths rather than the false 2-D models used today.

There are many problems that the Galaxy Clock can solve in physics today, but let us start with the Graviton, the missing particle. We can then go on to a modern correction on Reducing the Mass-Gravity Effect, Black Holes, the Big Bang, Light Speed and Beyond, Time, etc.

Where is the missing "Graviton" - Electromagnetism and Gravity Combined

Einstein's pupil tries to merge electromagnetism and gravity. It is an age old paradigm now to try and do this but no one can do it. Why? Because in order to do it we have to prove that ordinary mass has an electromagnetic charge on it. Mass is considered to have no charge on it because of the opposing force of the electron spin against the proton. If the proton spins positive and the electron spins negative, they have to cancel each other out to zero. But we really didn't look at the idea of "differentials" defined as left over charges between the pairs of particles.

If we look at the hydrogen atom again for example, we can see that in all 4 dimensions, we have made a grave mistake.



Hydrogen Atom 4-D

If we look at this diagram of a hydrogen atom and consider the electron spinning counterclockwise from the 12:00 position and the anti-electron spinning clockwise (near the speed of light – the lightest mass particle we know of)) from the 12:00 position, if they are the exact radial distance from the center of the atom, they will collide at the 6:00 position in a single orbit. If this was indeed what atoms have been doing, all of mater would annihilate before creation began. We would not be here.

The same is true for the proton. The proton spins clockwise from the 12:00 position (much slower than the electron because of its great mass) and the anti-proton spins counterclockwise, they would annihilate at the 6:00 position in a single orbit.

Because matter and antimatter are not annihilating and we all exist, the particle and anti-particle pairs would have to be at slightly different radial distances from the center of the atom in order to pass by each other without a collision taking place. If this is true, then the inner most particle is in a higher frequency orbit than the outer most particle. Between them would be a small left over charge of electromagnetism (differential) that is so small and so weak, it could explain why gravity is such a weak force compared to the other nuclear forces.

But in our search for the graviton, we are looking for a very weak force. It is only in the order of 10-38 times that of the strong nuclear force. A strong force of gravity would cause all of creation to be annihilated as fast as the universe was born in a big bang. If we can prove that mass has a tiny, weak, electromagnetic charge on it, we can merge electromagnetism and gravity into a single TOE. This small number differential left over charge between particle and anti-particle pairs (the electron and anti-electron differential and the proton anti-proton differential) would also have to have another more subtle differential left over between them. This paired differential would create a vortex or even more subtle spiral wave pattern that is the wave-particle I believe to be the graviton. It has even more substratum that are even more subtle and may play an important role in detecting the most subtle forces at play in creation.

The history of radio, wireless transmission of information, telephones, etc., and television has shown us that we are able to transform wave forms if we are first in phase with them.

What will happen if we can first identify gravity waves, and then manipulate them? Will this be the opening to discover how anti-gravity propulsion physics operates?

Proof that the "Differential" is the Missing Graviton

In addition to my paper's revelation on the missing "Graviton" being found in the "differential" between the particle, anti-particle pairs, isn't the proof evident in the fact that gravity is the force between the earth's rotational centrifugal and centripetal forces? Isn't that too a differential? Isn't this proof that gravity being the manifestation between the earth's centrifugal and centripetal forces is a direct reflection of the quantum forces at play: being also a differential between particle and anti-particle pairs?

But then it occurred to me how to build the gravity generator:

1. Spin protons (or electrons for a weaker effect) clockwise in a field and another set counter-clockwise with one set being in a slightly smaller radial orbit (higher frequency) than the other. This will allow for the "differential" to manifest between them. The differential is the "gravity wave" itself.

2. To manipulate the gravity wave, just widen the gap or differential by changing the radial (circumference) in the wave generator between the positive spin proton and the negative spin. The wider the gap the stronger the gravity wave you will create.

This can then be used to manipulate gravity effects: lowering the mass-gravity-effect or raising it.

This really needs experimentation!

David Sereda

B - COMPARING THE QUANTUM WAVE-PARTICLE-RELATIONSHIP OF THE GREATEST MASS PARTICLES TO THE LEAST (ELECTRON) IN PARTICLE COLLISSIONS with the Galaxy Clock 4-D wave-particle tool

This is an independent study and observation I did into the comparison of wave-particle relationships of the heaviest or greatest mass particles to the lightest mass particles in collisions that took place at 99-99.99% the speed of light in particle collisions. What I am looking for is to provide evidence that the lowest mass particle-waves are in higher frequency orbits than the heavier mass particle-wave relationships.

We are looking to see if we find evidence in particle explosions consistent with what Niels Bohr found in the hydrogen atom: that when an electron jumps to a further out or longer wave length, the atom gains energy (mass), and when it jumps into a higher frequency orbit (closer in), the atom radiates off its energy, reducing its mass.

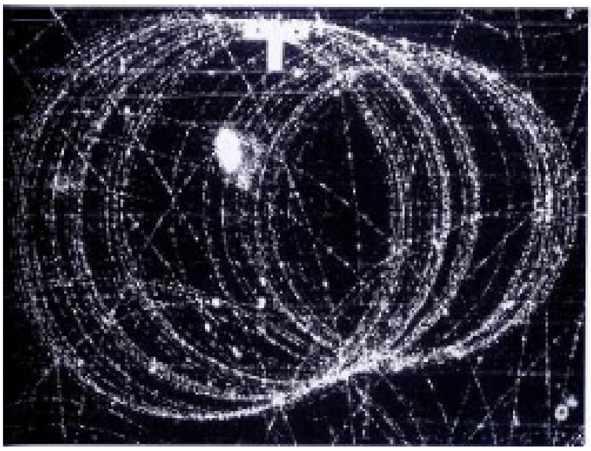


Photo of free Electron Spiraling

This photo from "The Particle Odyssey," shows an electron changing its orbital diameter from a larger diameter to a smaller one. From page 37:

> Under the influence of a magnetic field, an electron in a cloud chamber spirals around some 36 times, producing a track around 10 m long. The electron starts its life at the left of the picture, where it has been created together with an anti-electron or positron, by an invisible gamma ray. The electron's spiral moves slowly across the page due to a slight variation in the magnetic field. Notice how the spiral becomes significantly tighter about halfway across the picture. This is because the electron has lost energy by radiating a photon.

In an Einstein equation, if the electron lost energy it lost mass energy equivalent and therefore reduced the mass-gravity effect. But this is just the beginning of understanding this because to reverse or cancel out gravity, we have to go much deeper.

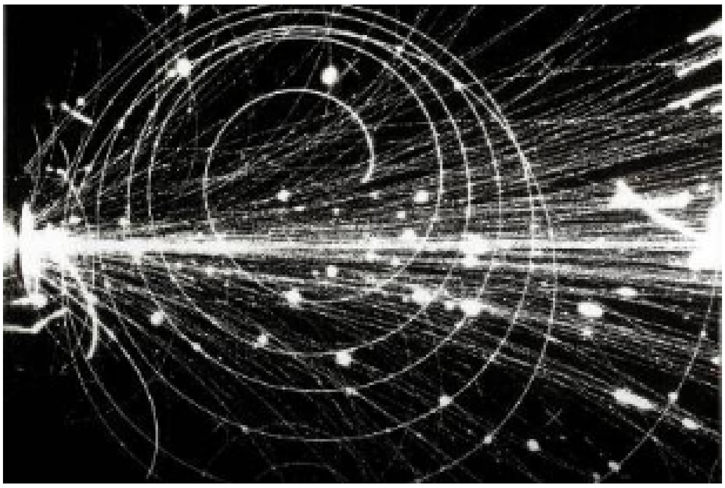


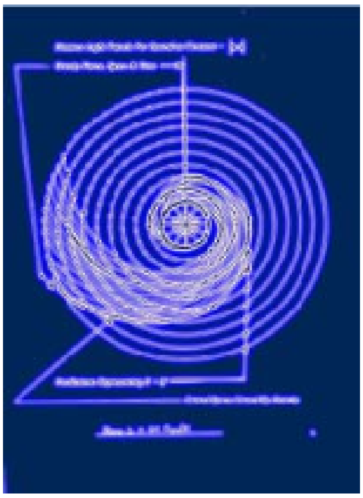
Photo of Particle Explosion Page 12 of Particle Odyssey

This photo shows an array of particles in a collision from CERN in Geneva, Switzerland. From page 13 of "The Particle Odyssey, the description of the explosions shows the same hidden data:

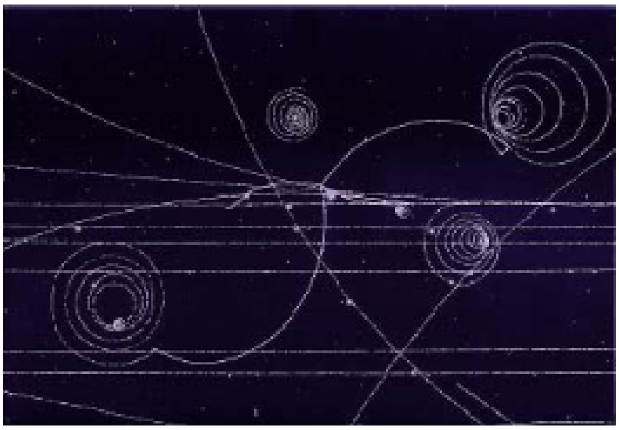
> The tracks of many charged particles are made visible in this image from the NA35 experiment at CERN, Geneva. The particles emerge from the collision of an oxygen ion with an atomic nucleus in a lead target at the left of the image. Tiny luminous streamers reveal their tracks as they pass through an electrified gas and curve under the influence of a magnetic field, positive particles bending one way, negative particles the other. Most of the particles are very energetic, so their paths curve only slightly, but at least one particle has a lower energy, and it curls around several times in the detector, mimicking the shell of an ammonite.

The key point here is again revealed, that greater energy particles curve "slightly," and lower energy particles "curl around several times."

If we round these orbits through a Galaxy Clock, we can see that the longer curved particles, of greater mass, will loop into a full circle or decaying spiral with a longer wavelength or lower frequency than the lower mass particle, which has a shorter wavelength or higher frequency.



Galaxy Clock Model

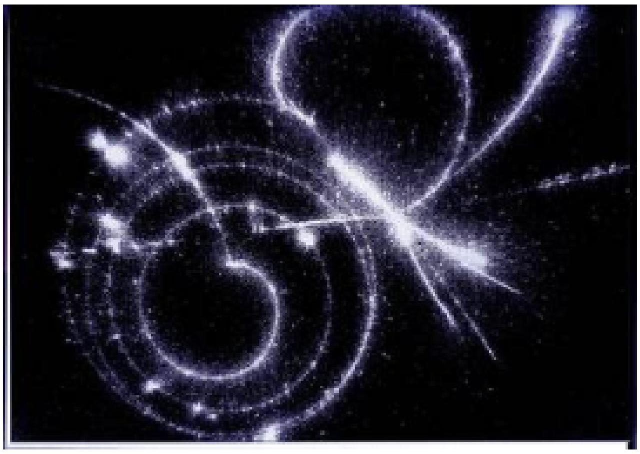


Electrons Spiral in Small Orbits

Using the Galaxy Clock, we can see that the electrons in the photo on the right are in higher frequency orbits that the longer curves of the greater mass-energy particles. Lines that merely "appear" straight are subtly curved and will eventually oscillate in very long wavelengths. Just as the Earth was once thought to be flat, because its curve is so long, it later revealed itself as a curve. As long as we have waves, we have curvature.

All of spacetime is curved. This is why with Einstein's 4 dimensional model, I cannot see any use in making observations with straight lines. They do not exist in real spacetime.

The following photo of a particle explosion was very challenging for me to analyze. It shows a greater mass particle moving through a smaller spiral than expected to be consistent with my theory. The event is rare and marks an interesting outcome.



Particle Explosion – Decay of Positive Pion

> From page 73 of "The Particle Odyssey:
>
> The decay of a positive pion is captured in a streamer chamber image of an anti-proton annihilating in the neon gas filling the chamber. The antiproton comes in from the right (moving left to right) and interacts to produce a typical starburst of tracks. One of the positive pions curls around on the right in the camber's magnetic field, before decaying into a muon, which forms a beautiful spiral. Eventually, the muon decays to a positron (an anti-electron).

The masses of particles are given here in units of energy – million electron volts (MeV) or Giga electron volts (GeV). This is a shorthand for mass units of MeV/C2 or GeV/C2, where C is the velocity of light. The standard energy measurement is for a particle at rest, or not being accelerated, rather in its natural state. To accelerate any mass particle to 99.99% the speed of light, we alter its energy and require energies of 1 TeV (Trillion-terra electron Volts) or greater.

Coming in from the right is the Anti-Proton, one of the greater mass particles we know of perhaps accelerated to a much greater energy than it is at rest. At rest it should be around 938.3 MeV. The collision decays to form Pions (the loop to the side of the main spiral). Pions have a mass-energy of 140 MeV (Million electron Volts), which is nothing compared to the mass of a proton and anti-proton at 938.3 MeV. Strangely, Quarks, the subcomponents of protons, have masses that range from Up or Anti-Up Quarks at –5 MeV all the way to a Top or anti-Top Quark at 170 GeV (Giga-electron Volts). Strangely, neutrons have even greater mass at 939.6 GeV.

Now how could a subcomponent of a proton, a Top Quark have a mass-energy greater than the proton itself? Firstly you would have to accelerate a proton to 170 GeV before you could even observe the Top Quark. I propose that this is because the mass-energy and mass-gravity effect of atoms are not constant nor are they stable if they are manipulated. In this case, during a collision, we can separate a Top Quark from the proton and its mass-gravity effect changes to one that is far greater than the state it resided in while it was inside the proton. Why?

What would happen if we take a particle of greater mass and increase its frequency and spiral spin speed? In my theory, its mass-gravity effect should be reduced. All of the evidence points to that. But if a particle of greater mass were to be forced into a magnetic field that made it spiral into a smaller orbit with a slow spin velocity, its frequency (measured by revolutions around a loop) would not increase, and it could keep its mass-energy in tact. In order to reduce the mass-gravity of a particle, we have to have high-velocity (hopefully near C or greater) spiral velocity in tandem with smaller and smaller diameter orbits. This increases frequency successfully and that should reduce the mass gravity effect of the particle.

In order to successfully reduce the mass-gravity effect of a particle, we have to manipulate the orbits of the particle and anti-particle pairs both. More will be clear on this later.

Experiments need to be done in particle accelerators on this by measuring the gravity effects on particle as they change frequency (frequency as described in the Galaxy Clock model). This has not been done with reducing the mass gravity effect in mind, but there are some confirmations that are not well understood.

> In Cloud chambers studies of cosmic rays, high energy gamma rays (photons)
> Suddenly gave birth to electron positron pairs (epos), which separated
> at high velocity. The positron then would approach another electron, and
> The two would disappear, being replaced by high energy (0.511 MeV)
> Photons.

These experimental results show that matter (dual pairs of epos) can be born of high frequency gamma waves and then that matter (dual pairs of epos) can also return back into light; thus reduce its mass gravity effect. This shows that on the Quantum level, this is possible.

But there is other evidence that is even more astounding. Written in Donald Hotson's paper on Dirac's Equation and the Sea of negative Energy we find an example of an atom actually transforming to the exact point of losing all of its mass-energy and disappearing completely from relativity's sight:

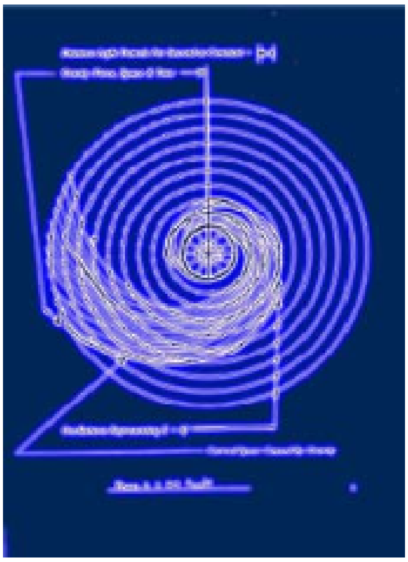
> When an electron spirals in to a closer orbit around the positron, they don't just rush together and disappear. Instead, they approach until they are a distance apart that is the width of the electromagnetic ground state of hydrogen. At this relatively large distance (some 56,000 times the diameter of a proton) they start to orbit around each other in a configuration called "positronium." (This in itself should have told us that something other than annihilation was going on) They never get closer (radial distance) to each other than atomic distances. After orbiting each other in this pseudoatom for a time that depends on whether their spins are parallel or opposed, they emit two or more photons that total all of their positive energy. After that they are no longer detectable, and conventional wisdom says that their charges and spins have "cancelled" and that they have annihilated and are no more. But since they never got closer to each other than 56,000 times the diameter of the proton, how can they possibly cancel or annihilate? They never get anywhere near each other, and nothing passes between them. For them to annihilate, would be action at a distance, a direct violation of causality.

It couldn't have been what happened. They could not have annihilated as Dirac pointed out. This quantum model shows the moment a dual pair (proton-electron) gives off the totality of its energy, they disappear from Relativity's sight completely. That means they are vibrating too the pint of having a zero-mass gravity effect state that makes the atom as transparent to other photons as photons themselves. Photons are not used to detect other photons. We don't even see photons in cloud chambers, we see their effects. This quantum model is proof for the theory that I have set forth. It is happening in the quantum world, but conventional physics cannot even identify it because they did not have the theoretical model built.

C – COMPARING THE RESULTS OF THE QUANTUM MODEL TO THE ASTROPHYSICAL MODEL (GALAXIES) AND UNIVERSAL MODELS with the Galaxy Clock tool.

In Einstein's relativity, we observe that since the inception of the "Big Bang," and at the current rate of expansion of the universe, we can only observe 5-10%% of the mass; leaving 90% as "missing mass."

In the work I did on the Galaxy Clock model of the Galaxy itself, let alone the universe, we have the same problem.



As we take any point or solar system body in any Galaxy and follow it over time, we can see that the position of the point or body is spiraling inwards with each revolution around the galactic core. In the Milky Way galaxy, we make one revolution every 250 million years. As a wave, this is a frequency of "one" every 250 million years: such a low frequency wave that no living one person could actually live to measure it peak even a single time.

According to the observations made on the quantum model (Niels Bohr 1913 and David Sereda 2000), we can see that if the astrophysical model is the same as the quantum model, the mass-gravity effect has to be reducing as the position of each solar system body spirals into a higher frequency orbit moving towards the galactic core or "Black Hole." This is in opposition to Einstein's view that mass is increasing as the galactic mass is absorbed by a Black Hole.

But before we even get to the Black Hole, we have to ask that if all of this mass is heading towards the "Event Horizon," where does it go? Why doesn't it all get piled up so far, and backed up so badly, that it inhibits the incoming mass from moving ever steadily towards its core with no resistance? If there were even the slightest resistance, the spiral arms of the Galaxy would get crunched and crinkled as the spin velocity of the mass-wave relationship slowed down. They don't slow down at all. That means the mass just keeps flowing towards an infinite absorption point.

I could never accept that the Black Hole was just cramming mass into itself with no point of even the slightest amount of resistance to that absorption unless there was a flaw in the operation of Black Holes and Galactic Cores.

This new theory that I am putting forth is paramount to discovering propulsion physics of UFOs and reducing the mass-gravity effect of a spacecraft towards an infinite zero point.

With the quantum model showing all evidence of the shorter the wavelength of a wave-particle (mass) relationship, the higher its frequency (when spin velocity is constant), and the lower the mass of the particle, why would a Galaxy, which is following the same model, be not only opposite, showing mass to be increasing, but appear to produce observable results that could be explained by Relativity?

Because we know that a proton has a much greater amount of mass than an electron, and it is closer to the center of the atom than the electron, it would seem that it should be in a higher frequency state than an electron. But the proton, we know, does not spin anywhere near the velocity that an electron does. It has a much greater mass and should therefore be spinning at a much slower rate.

D – NEW REVALATIONS ON BLACK HOLES – THE "MASS-GRAVITY REDUCING EFFECT"

If "Black Holes" are reducing the mass-gravity effect (weight = mass x gravity), then the "apparent weight" charge of stars and planetary bodies are being reduced towards zero as they approach the infinite zero point mass of a "Black Hole." As bodies get lighter, it takes less energy to move them around. This would explain why Black Holes can devour whole planetary bodies, stars, gases, and all of mass with such apparent ease: because they no longer weigh anything comparable to what they appeared to weigh from our vantage point in the galaxy. Weight then becomes the greatest illusion in calculating the observable effects of Black Holes. Because gravity is now reduced to an effect, Einstein assumed that Black Holes must have more mass-energy to produce the gravity needed to devour the massive bodies (as we understand them) from our position in the Galaxy.

If my new theory is correct, we should observe an increase in higher frequency wavelengths as we approach the event horizon of a Black Hole, and that we do: more X-rays and more gamma rays are observed. This is because, I predict, planetary and star bodies are being transformed into a much higher frequency wave form.

I could never accept Einstein's theory on Black Holes due to this single fact: that mass could increase and the inflow of mass could flow without any resistance as that mass was cramming itself into the Black Hole. There had to be resistance, and the resistance would back up the flow of mass (trying to enter the Black Hole) so badly that the spiral arms of the galaxy would crinkle and collapse.

When the mass-gravity effect of a planet or star body reduces towards zero, it starts to accelerate in frequency and velocity; and at the "Event Horizon," it accelerates beyond the speed of light (it will be easier to understand beyond light speed by the end of this paper). This allows for the infinite amounts of mass that enter a black hole to flow without causing resistance (back-lashing waves) to the incoming mass-particle waves.

But this has to be studied for precise observable indications to determine just what level the mass-gravity effect of the planetary bodies are being transformed into (at what rate their mass-gravity effect is reducing).

I was astounded to read an article posted on CNN that confirms my prediction: that mass in a high frequency state, at the core of a black hole can travel faster than the speed of light. The only way this could be true, that mass could travel faster than the speed of light exiting a black hole, is if my theory is correct.

http://archives.cnn.com/2002/TECH/space/10/03/black.holes/index.html

To understand "Beyond light Speed," the following chapters will build the case in point to the theory presented herein.

The Big Bang

If we start with a center of a Black Hole as an infinitely small point, as pre-existent to the "Big Bang" model, and we consider the particle-wave relationship of that point would be of the highest frequency, the Universal Model would appear to have started with no mass at all, and as those wavelengths became longer, mass-gravity was being formed, and the apparent mass of the universe was born.

With this advantage, mass is also observed only an effect, just as gravity is. Time is the big one, but we have to wait to get into that one. It is a whopper, if you run it through the Galaxy Clock. It appears that all events have already happened, but time prevents us from experiencing what has already happened.

E – THE DISSAGREEMENT ON THE RESULTS REVEALS THE HIDDEN CLUE

If the observations made by Einstein on the effects of gravity in this region of the galaxy are not the same as they are, in effect, at the center of the galaxy, then the hidden clue is that the mass-gravity effect is not constant throughout the galaxy and the universe. Its effect changes due to the amplitude (volume), spin velocity, frequency, and the complex relationship of particle-anti-particle pairs.

The hidden clue then is that if the mass-gravity effect is not a constant and can be observed to be changeable in astrophysical models, then it should be able to be manipulated in spacecraft for propulsion concepts.

F – STUDYING HOW THESE NEW RESULTS COULD BE APPLIED TO MASS AND AERO-SPACE CRAFT TO REDUCE MASS-GRAVITY EFFECTS AND HIGH-VELOCITY INERTIAL MASS INCREASES.

If we can reduce the mass-gravity effect of solid steel, and spacecraft mass, towards an infinite zero point, then we can reduce the amount of energy needed to accelerate a spacecraft towards an infinite velocity. Attaining light speed would be much more realistic if it were not an issue of attaining unrealistic energy levels; rather by reducing the energy required for propulsion. If the mass-gravity effect is reduced to a near zero level, the energy required to attain the speed of light would be near zero. This is a revelation.

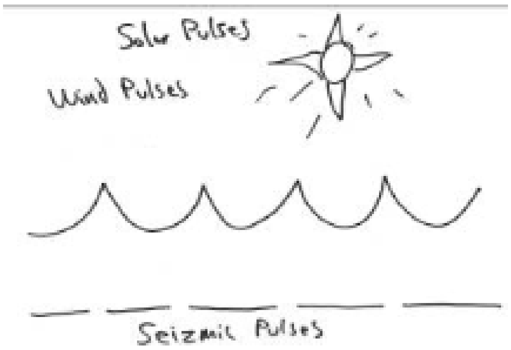
If spacecraft and pilot could be reduced to a zero-mass gravity effect, the profundity of attaining the speed of light would be so realistic, the problem of searching for excessive energy theories would be over. Large fuel supplies weighing down spacecraft for interstellar voyages would also not be an issue (propellant mass problem).

There are two ways that reducing the mass-gravity effect can allow for a spacecraft to conquer light speed and to reduce inertial mass increases. The inertial mass increases are due to the spacecraft impeding on the background mass of space (even though it appears invisible). Just as a boat impedes itself against water as it tries to accelerate, and a jet impedes itself against air mass as it tries to accelerate, so a spacecraft impedes itself against the background mass of space.

The issue of the void of space being mass less was solved when Einstein resolved Max Planck's argument that the void was supercharged with zero-point energy. If the void is supercharged with energy, in an Einstein equation, it is supercharged with mass-energy.

If we observe how waves appear first on the boat-water model, we can see that waves on the surface and depth of water appear to travel in clumps, with peaks and valleys. This shows us that the forces that cause waves, are pulsed: wind, action, gravity (sun, earth and moon), earth spin, earth quakes, etc.

Wind, Solar, Gravitational, Seismic, Earth Spin – All pulsed

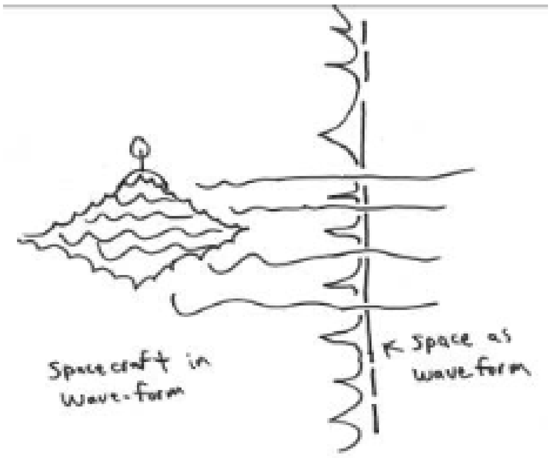


Because all of the forces in nature that cause waves to appear are pulsed wave-particle pairs themselves, or caused by them (peaks and valleys), they are as if timed. Even the water itself is a timed wave-particle pair made of hydrogen and oxygen (wave-particle pairs).

If we see everything as just waves and particles, we can see that because waves come in clumps, there has to be a high-resistance phase of a wave-particle pair and a low-resistance phase of a wave-particle pair or if we look even closer, on a quantum level, there is a gap between waves. This "gap" is what I am interested in.

It is the resistance phase of a wave that causes inertia to impede on a boat, aircraft or spacecraft as it tries to accelerate. As any of these craft accelerate, they are going to collide with a higher frequency of resistance phases of the waves or mass they are trying to fight against to accelerate.

But what would happen if we could "time tune" the frequency of the mass (wave-particle) of the spacecraft itself as it tries to fight against the oncoming resistance phases of the waves it is propagating through?



Spacecraft as wave-form moving through Space as Waveform
Both are Pulsed & Timed

To first see the background of space as a mass-particle waveform, with timed waves, we can see immediately how to overcome inertia.

While Einstein initially disagreed with Max Planck that the void of space had energy in it, he did this because if space were seen as a void of mass, then how could there be energy, if there is no mass. But 10 years later, Einstein reversed his decision. The fabric of space had to have mass, therefore energy.

If we "time" the waves of the craft itself to be in phase with the non-resistance phase or "gap" (resistance phase is the peak – non-resistance phase is the valley) in between the oncoming waves , the craft will encounter less and less inertia and be able to pass through the resistance of the background space-mass and accelerate faster and faster until it comes up against finer and finer waves of resistance that also have finer tuned "gaps" that can be attuned to. The finer tuned the spacecraft's wave state becomes, it can eventually pass through any and all of the resisting waves that cause inertia in the first place. This is what happens as the spacecraft becomes a much higher frequency waveform.

Just as x-rays (extremely high frequency waves) pass right through solid objects (solid objects being low frequency wave forms), so the spacecraft in its higher frequency wave form can pass through the resistance of space mass causing inertia.

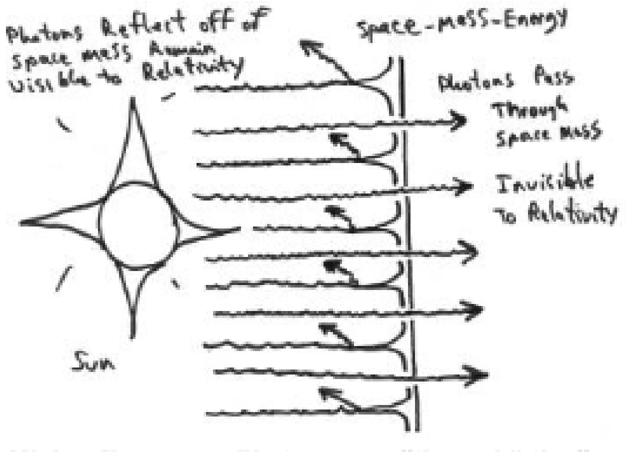
If we send low frequency radio waves at a solid brick wall, very few of those waves will pass through the wall while most will be absorbed by the wall or deflect off of the wall. As we send higher and higher frequency waves at the wall, more and more of them will penetrate the wall.

Gamma rays are so high in frequency, they pass through the wall even faster and with more frequency than x-rays. This shows that the higher the frequency of the wave form, the less inertia that waveform encounters.

Counting Wave Experiment

This is where things get complicated. Because space is also a timed wave form, and we rely on relativity to see and experience reality in this 4-dimensional reality, we can only witness the events of photons that remain present in our dimension. This next model will show how higher frequency wave forms literally vanish into a higher dimension passing through the non-resistance phase of the background of space.

Sunlight source of waves-photons & Space Waves-mass


Photons Reflect off of Space mass Remain visible to Relativity
Space-mass-Energy
Photons Pass Through Space mass
Invisible To Relativity
Sun

Higher Frequency Photons pass "through" the "gap" in Space-Mass Waveform

The photons that bounce off of the peaks or resistance phase of the wave form of space mass, remain visible to relativity. The photons that pass through the gaps or non-resistance phase of the wave form of space-mass remain invisible to relativity. These photons actually overcome the inertia of this dimensions and accelerate faster than light speed but because they are invisible to it, they cannot be counted.

It is if we, in our 4 dimensions, can only observe the photons that remain in our dimensions. Those that pass through the other side of the brick wall (the background of space) are undetectable to us. They enter the next dimension.

If a spaceship is in a higher frequency wave form, it also remains invisible to relativity. This is one of the ways that spacecraft go undetected by relativity but are able to jump into our dimension.

G – UFOs EXHIBIT EVIDENCE OF MASS-PARTICLE (SPACECRAFT) WAVE RELATIONSHIP – using real photographs to illustrate.

The following photos of UFOs were taken by Ed West - estei@qwest.net - in Spokane, Washington, in the year 2002. I was particularly interested in them because of the very clear wave forms that these UFOS exhibited.

Photo #1 Shows "Plasmatic" quality
And a non-solid nature of the UFO

Photo #2 shows wave formations
inside the plasmatic effect of the UFO

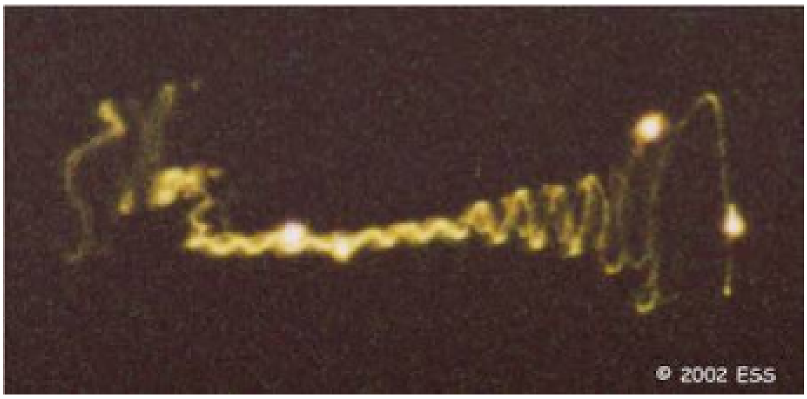
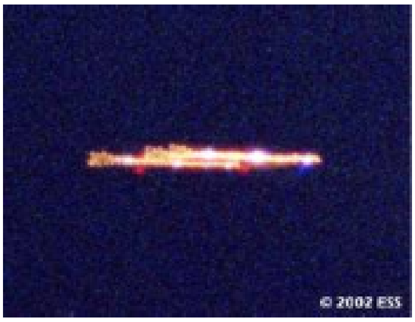


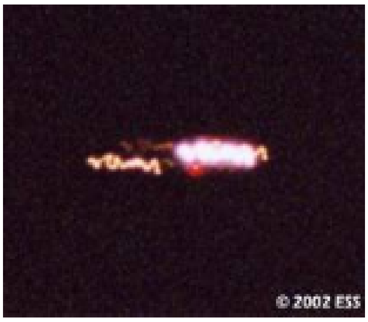
Photo #3 shows a UFO taken at 1/250th of a second revealing a definite wave-particle appearance. Notice the particles (balls of light) are in pairs left of center and also right of center. Notice that the balls of light (and their tracks) are not the same frequency? We can determine this because the diameters of their tracks are not the same (one wider the other more narrow) ; thus the narrow track is higher in frequency than the wider track. This suggests the same aspects of the particle-anti-particle pairs in an atom being slightly out of phase with each other; and thus I proposed that the differential between the particle-anti-particle pairs is the missing "graviton."

As the shuttle speed clicks for 1/250th of a second, the UFO is moving left to right. From the left, the greater wave formation is higher in frequency (smaller diameter x pi) than it is at the right where the frequency is slowing down (larger diameter x pi).

The fact that both pairs reveal a distance between the balls of light suggests that they are slightly different in frequency and diameter x pi. This is exactly how I propose the particle and anti-particle pairs inside an atom to be.

But there is an even more subtle observation in the photograph: In an atom, the particle spins opposite to the direction of the anti-particle; proton clockwise and anti-proton spins anti-clockwise. The electron spins anti-clockwise and the anti-electron spins clockwise. This depends on which way you observe an atom, front or back side.





Both of these Spokane UFOs show strong wave formations, revealing clearly what this is all about.

Analysis

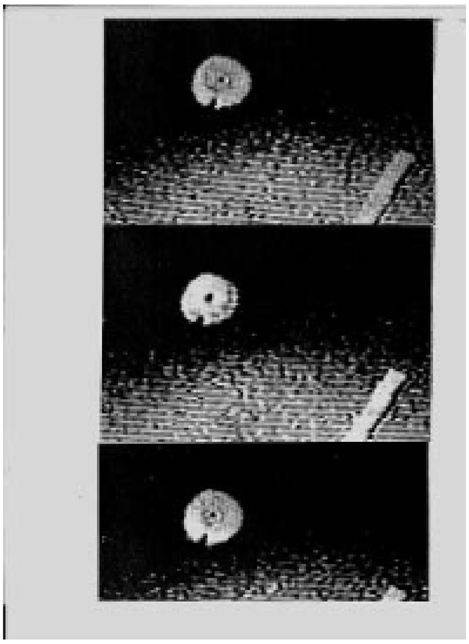
I believe the UFO may have the ability to cause the particle-anti-particle pairs to spin both as positive (becoming singular) just as a theoretical "uni-pole." If this could happen, it would allow mass to go at the speed of light and beyond. The particle-anti-particle pairs would still have a difference in diameter, and spinning at the same spin velocity, they would be out of phase; just as they appear in the UFO wave formation here.

I do not believe we are actually see the UFO itself, rather, just the effects of the wave formations from the UFO.

Once particle-anti-particle pairs both spin positive or negative, they overcome the duality that keeps matter bound from overcoming inertia. The photon encounters very little or zero inertia because it too is singularly charged with no anti-particle canceling out its energy.

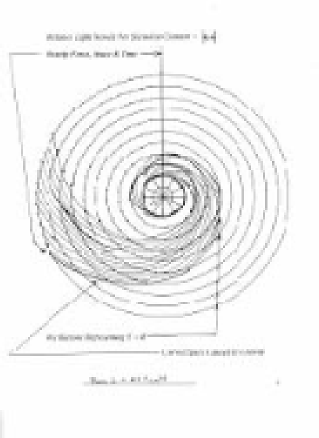
Jesus said, "If thine eye be **single**, thy whole body shall be filled with **light**." Matt. 6:23

Light is the only particle we know of that has no anti-particle pair. It spins in a single state, rather than a dual state.



NASA UFO from STS-75, 1996, shows wave formations

With NASA astronauts using a video camera that can see infra-red and or ultraviolet near photons, as well as visible, these three photos were taken from the video frames of a UFO passing behind the 12-mile long tether from STS-75. In the video, the UFO is strobeing and pulsing with spinning waves of energy evident.



If we use my “Galaxy Clock” to measure the waves, we can see that the middle photo shows a ring-wave that is the widest in diameter of the three wave formations. The wider a wave is x pi, the longer its wavelength is, the lower its frequency is (assuming the spin velocity of the wave-particle is constant).

If we go to the bottom frame, we can see the ring-wave is now a smaller diameter, meaning it has changed to a higher frequency than the middle frame. The top frame shows a spiraling wave spiraling inwards. This reveals the same progression, but in an accelerated mode, that the wave-particle pairs are changing frequency from a lower state to a higher one.

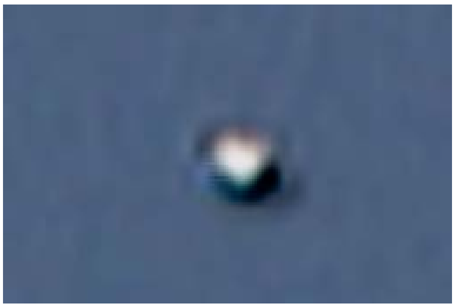
Analysis

The NASA UFO wave formations are consistent with what we observed in the Spokane UFO; revealing a transformation from lower to higher frequencies and back again.

Because mass is dual charged with particle-anti-particle pairs, its overall frequency state and wave state have very little electromagnetic force. In fact, most physicists think it has no overall force.

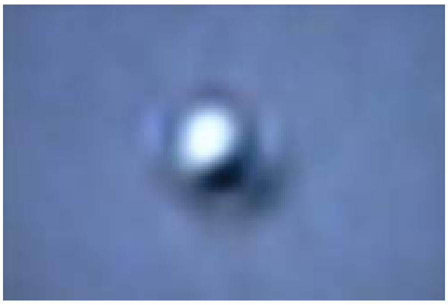
But why then do photons and electrons exchange forces in mass if there is no force in the atom that give it an electromagnetic charge? It has to have its charge, but now we know that it is cancelled out. If we can cause both the particle and anti-particle pairs of mass to spin positive, mass would have a huge electromagnetic force. How do we do this?

We are getting close to that now. If we look and observe real videotape of UFOs and their “spinning waves,” we can clearly see that the waves are not spinning faster then the speed of light, not spinning at the speed of light, but much slower: exactly where I would predict the “differential” wave between the particle-anti-particle pairs to be spinning at.



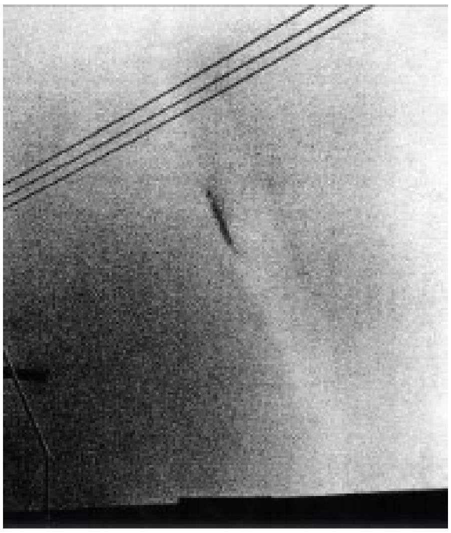
This UFO shows a UFO captured on video in Venice, CA in the Spring of 2004

In the video, we can see the consistent UFO-wave evidence again. The UFO appeared to be strobe-pulsing with waves of energy that actually distort and blur the structure of the UFO itself.   The energy waves are spinning so fast that as visible photons bounce off of the waves around the UFO, they distort its image to an observer. If the UFO waves spin faster than the speed of light, the UFO would become invisible as photons from the sun would be captured and thrown off at such a steep angle, no one could observe it head on. This may be possible for our own aircraft in making them stealthier.



This frame from the Venice UFO shows a clear triangle in the lower right of center as if part of a sphere and then a series of wave-panels surrounding a central sphere. The UFO is pulsing with waves that make it appear blurry.   This is caused, I believe, because the waves deflecting off most of the photons from the sun at steep angles.

Most importantly, there is a consistency in real UFO propulsion systems: no rocket engines, no thrusters of any kind, just waves. So, it tells us, this is the secret of their propulsion systems revealed: wave transformation of mass. Reduce the mass-gravity effect by wave transformation of mass.



UFO over Los Angeles taken with high-speed infra-red film in 1958

This UFO photo was taken by Trevor James Constable, pioneer of invisible UFO photography, who noticed WWII cases of UFOs being detected on radar but remaining invisible to pilots. This UFO is strikingly similar to the NASA UFOs captured on STS-75 with the large translucent disc with the black hole in the center. The center is black due to the concentration or higher frequency wavelengths .

Other Trevor Constable invisible UFO photographs taken near Landers, California, in the 1950s, involved alleged telepathic transmission and reception of messages from space beings by George Van Tassel.

UFO invisible to witnesses with a similar large UFO Invisible to thousands of
witnesses

Black hole in the center to the NASA UFOs while George Van Tassel lectures on a podium.

But George Van Tassel claimed to be receiving telepathic messages from a space being known as Ashtar. I am so astounded by what Ashtar allegedly told him in 1958, from Trevor James Constable's book, "The Cosmic Pulse of Life" (1976):

> "For the information of your scientific minds throughout the planet, Shan, our ventlas (ships) do not spin. The emanation of spiral radiation from our ships gives the illusion of spinning…."

This first point is just the beginning of Ashtar's transmission through Van Tassel. When we examine the NASA video from the UFOs captured on STS-75, we can see that the blobs of light appear to be "spinning," when the camera is pulled back. But when the camera zooms in, we can see that they are not spinning, rather, the UFOs are being pulsed with "spiraling waves of radiation" giving the illusion of spinning, precisely as Ashtar is telling Van Tassel. We continue on page 91 with Ashtar:

> "The upper or positive polarity of a ventla (ship) radiates emanations outwardly from the center. Due to the collection and concentration of light particles through a vortice funnel in the center unseen, these light emanations radiating outward appear as grooves on one of your phonographic records."

I demonstrated through the use of my "Galaxy Clock" that the waves radiating out from the NASA UFO were radiating out from the center "black hole" where the "Galaxy Clock" reveals a massive concentration or higher frequency light waves. This is the point where either light speed was broken in the spiraling waves or that the waves were too high in frequency for the human eye or camera to capture; thus "black hole" unseen. This is the same as Ashtar saying through Van Tassel that a "concentration of light particles (waves) through a vortice funnel in the center unseen (black hole). The"Galaxy Clock" demonstrates why light waves become more concentrated as light waves oscillate into smaller and smaller orbits. Further, Ashtar is precise enough to say that "these light emanations radiating outward appear as grooves on one of your photographic records," precisely as Sereda had demonstrated by using his "Galaxy Clock" to show how the waves were radiating from the NASA UFO on STS-75. The work is precise and even in the final statement of Ashtar:

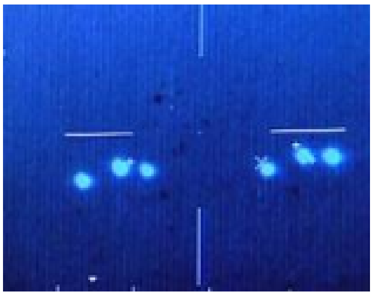
> "The lower or negative polarity operates in a reverse manner. This light substance emanation is contained within a field of zero circumference, which is void, giving the impression of an edge."

I proposed in my theory by observing the waves on the NASA UFO to be a combined "time forward" wave with a "time reversed" wave (particle-anti-particle wave simulation). This is the same as Ashtar saying that "The lower negative polarity operates in a reverse manner." The last statement by Ashtar in this sentence is very advanced in that it describes a field of such high frequency, Ashtar's "field of zero circumference" (smaller than a sub-planck length) when measured in the "Galaxy Clock" this field would be of such a high frequency that it would be too fast of a wave for any camera to capture, thus it would give what Ashtar calls "giving the impression of an edge" to the infinitely small (ultra-high frequency) "black hole," what Ashtar calls "a field of zero circumference which is void" (black). An electromagnetic field of zero circumference would be smaller than a "sub Planck length" and would produce the highest frequency imaginable at this time. For Ashtar to be so precise that he would say "giving the impression of an edge" shows us that he knows the edge between the "light craft" itself and the "black hole" is an illusion, thus just an "impression." Ashtar concludes that:

> "Your spectroscopic camera will reveal us only as light in the spectrum, plus Elements in your atmosphere."

Is Ashtar a fictitious character? I don't know, but this information is highly coincidental to my own research over 40 years later.

Many dimensions of light are invisible, of course. This can help explain invisibility, but it is not everything.



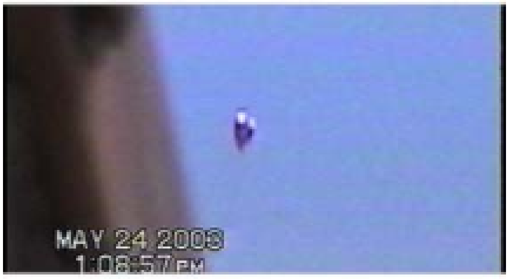
Mexican Military Secretary of Defense, General Garcia releases video of 11 UFOs taken with FLIR (Infra-red) cameras developed by the United States military. 3 out of 11 were detectable on Radar, while the remaining 8 were not.

Analysis

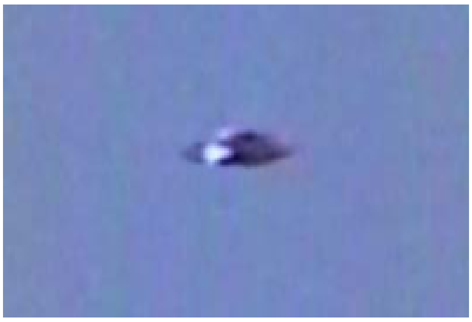
The UFOs that were transparent to radar were in such a high-frequency state, that radar (micro waves) passed right through their craft. Those 3 that were captured on radar, were in a lower frequency state, but with waves that spin faster than the speed of light deflecting off visible photons at such steep angles, remained invisible.

The Mexican UFO case shows the located zone was in optimal meteorological conditions, winds no bigger than 35 kms. / hour, relative humidity of 72% and a temperature average of. at 10,500 Fts. temperature average -27° C and a visibility average of 96%.

I predict the UFOs were not in the Infrared, but that they were in at least the UV Extreme range, and their higher temperature waves heated up the humidity (moisture content) of the atmosphere, the temperature could be seen by the FLIR cameras RANGE: - 40°C till more than 1,500°C. Good contrast for signal to noise would be evident with temperatures of –27 degrees C.



Phoenix, AZ UFO (dated) taken by Jeff Willes, on video, shows structure of a flying metallic disc. The video shows the same waves causing a lot of blur from scattering photons. However, the clarity of the disc is unmistakable. There were no sounds of jet engines or thrusters present in the audio of the recording. This is not the Lockheed SR71 Blackbird at a nose angle.

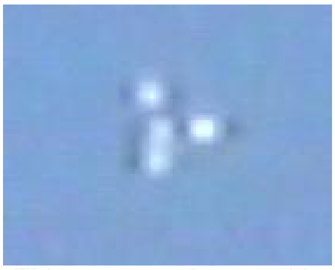


Turning the frame 90 degrees, we can see the Phoenix, AZ UFO is a classic disc. There are no wings. Because the UFO has less wave distortion, it appears much more solid.

During the "Phoenix Lights" incident in 1997, eyewitnesses testified to seeing a clear sky above and all of the space between the triangular lights (total formation estimated at 5,000+ ft wide – 1 mile), was pitch black, but that they could see "waves of energy" in the black.

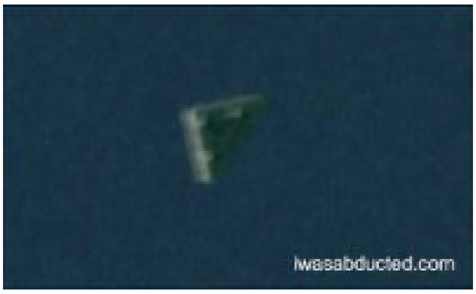
Triangular UFOs are being seen all over the world. These two, were videotaped by Mark Olson, in Sonora, California, last summer:

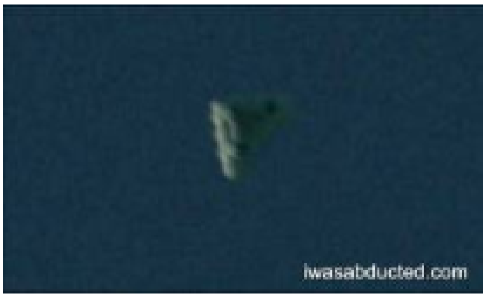
This one on the left was taken at night
The mass appears to be invisible or unlit
due to lack of light.

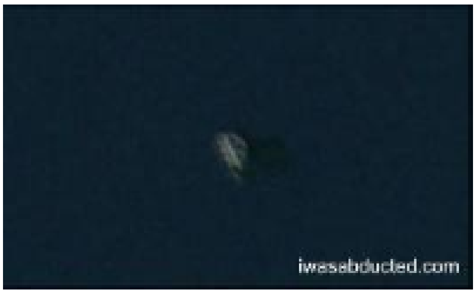


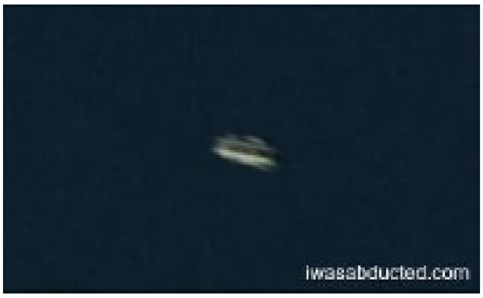
This one was taken on video during the day
The mass is invisible

But the real evidence on mysterious triangles occurred when an astronomer noticed on at high altitude, took a telescope, with a camera attached to it, and took these startling photos:









This doesn't look like the B-2 or anything of ours, does it?

Experimentation

It would be strongly advised to test visual stealth capabilities on solid aircraft by creating spinning wave distortion around the vessel. It is a matter of adjusting the angle of the wave 90 degrees away from its forward propagation; the angle that spins faster than the speed of light.

Experiments done by John Hutchison "Hutchison Effect"

John Hutchison is a friend of mine, and I know his work well. I have interviewed him and talked with him at great length about his work. Essentially, his levitation on the 75lb canon ball utilizes the same principles as I am setting forth in this paper.

But Hutchison does not always have success, and cannot easily duplicate the effect. I believe the reason for this is that by chance, at times, his low frequency base wave starts in "phase synchronicity" with the mass of the object he wants to levitate, and at other times, he is way out of phase.

When our wave generator is not in phase with the wave, it is like a surfer trying to catch a wave, he will never do it unless he is "in phase" to start with, then we can ride and adjust the frequency of the wave.

CHAPTER III – A LOOK AT THE WAVE-PARTICLE RELATIONSHIPS IN MASS VERSUS ZERO MASS PARTICLES (MASS VERSUS LIGHT)

The Photo-Electric Effect – Does the photon have mass debate? If it has no mass, how does it knock out the electron in the conductor? If it is electromagnetism that knocks out the electron in the conductor, then does the electron possess a small electromagnetic charge? If a photon has mass, why can it attain the speed of light? Has the photon reduced the effects of Gravity-mass to near zero? How did it do it?

What is the mass of a Photon? Why/how is light bent by gravity? If it is bent by gravity, it must have mass, once again, the clues are trying to tell us. It is not the mass-less quality of a photon that allows it to move at the speed of light and beyond. It is another quality, a quality that all mass can possess.

Abstract

The point in this section is to try and study if the reason a photon can attain the speed of light is due to its "mass-less" property or its actual wave state . Einstein's law surmises that mass cannot attain the speed of light retains that only a mass-less particle can: the photon. But what if the reason photons can attain light speed has nothing to do with whether or not they have mass?

The photo-electric effect explain by Einstein is a slightly heavy debate among scholars. How do mass-less photons knock an electron out of a conductor (Einstein's photo-electric effect) when we see them as billiard balls on a table? It seems impossible that if the photon has no mass, that it can do this.

Today, physicists claim that the photon's electromagnetic force is exchanged by forcing the electron out of orbit in the conductor. But if mass has no overall electromagnetic charge on it, then how cold the photon's EM force effect the zero EM force of the

electron, unless it held an electromagnetic charge? The electron is the lowest mass particle so it makes it the best candidate to compare its similarities to the photon's.

Mass then must have an electromagnetic charge. If it does, Gravity could be explained by merging electromagnetism and gravity into one theory. Looking closely at the way gravity's effect is a "differential" between the centrifugal and centripetal forces of the earth's spin and gravity's pull, should we be looking for what I predicted as the "differential" force left over between the electron-anti-electron pairs and proton-anti-proton pairs? Differential forces may be the clue to understanding gravity.

But most importantly, to understand the mass-gravity effect properly, we can hope to understand how to engineer anti-gravity , the desired goal of modern spaceflight. Anti-gravity also has many other useful applications, including construction of large stone masonry buildings.

To understand that photons wave-particle pairs spin in duality against one another canceling out the overall observable electromagnetic energy (which I observe to be at near zero charge but not absolute zero), and the photon spins positive with no dual anti-photon holding it back, we can see the basic difference.

CHAPTER IV – HOW TO REDUCE THE MASS-GRAVITY EFFECT OF AN AERO-SPACECRAFT TOWARDS ZERO

A Zero-mass-gravity spacecraft can now attain the speed of light and beyond with near zero energy. The initial energy is applied to cause the reducing mass-gravity effect; thus energy is not wasted in trying to fight inertial forces that make it too energy expensive to reach light speed and beyond.

In this approach, it does take fuel to produce energy, but the energy is used in a different way.

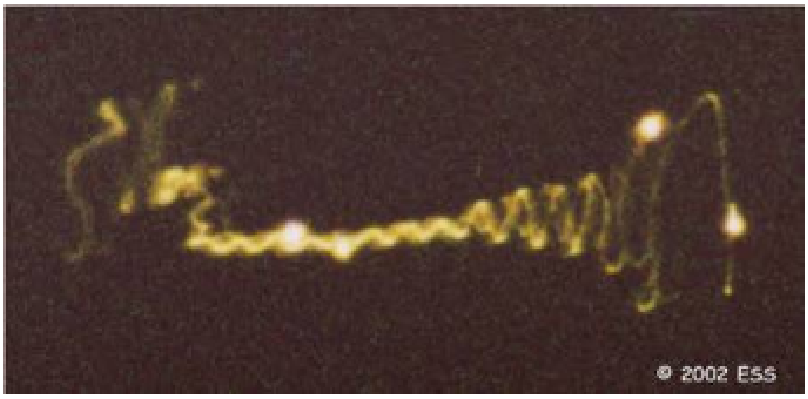
Goal Number 1 would be to calculate the differential between the proton-anti-proton pairs of a single atom, and then the same for the pairs of the electron. Once we know the differential dimensions of these wave pairs:

1. Wave-Particle Spin Velocity
2. Wave-Particle Amplitude
3. Wave-Particle Frequency
4. Wave-Particle Differentials
5. Wave-Particle Propagation

Goal Number 2: We can build a wave generator that can duplicate all of these same dimensions of a wave-particle in a single atom. The idea is to build a wave generator that can duplicate the wave of mass (dual pairs), and be in "Phase Synchronicity" with it.

Once our wave generator is capable of pulsing waves in "phase synchronicity" with that of the single atom, then we can start to manipulate the wave properties. If we want to produce a "Uni-pole" mass structure, all we have to do is flip the wave generation on the anti-particle pairs over so they spin positive. This should cause all of the waves in mass to spin positive creating the uni-pole effect. This alone could cause mass to be capable of moving at the speed of light.

Evidence of these kinds of waves in photo below:



Notice the pairs of plasmatic balls inside the wave formations of this UFO. One is a slightly smaller diameter than the other in both cases. This means that one is slightly higher in frequency (the smaller diameter x pi) than the other. A differential can be calculated between them. These waves are doing exactly what I would expect them to do resembling how an atom in mass bound in duals pairs would: travel in pairs that spin in opposite directions. But when we flip the anti-particle pairs over to spin positive, they are still on a different diameter and this causes the distance between the pairs to be evident.

Goal Number 3: is far more exciting because I think if we can know the exact wave dimensions of the "differential" (theoretical graviton), between the dual pairs, we could build a wave generator that is in phase synchronicity with the graviton. If we change the frequency of the graviton, I believe this is where we can best manipulate the effects of gravity and cause anti-gravity and mass-gravity reductions on a significant scale.

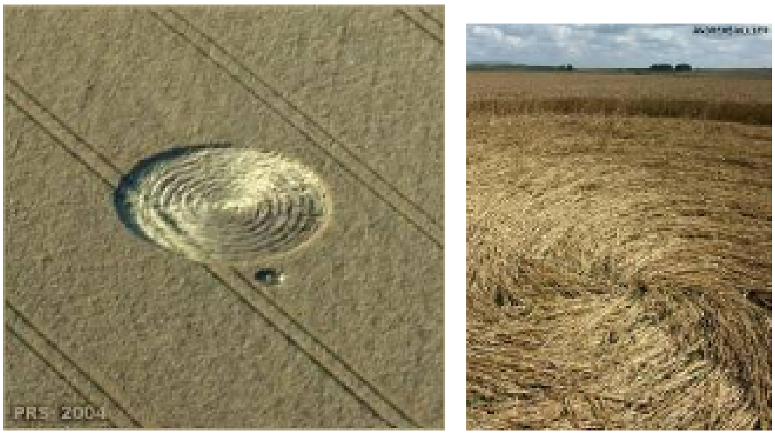
By speeding up the frequency of gravity, we can reduce the mass-gravity effect. By slowing it down, we can increase it. For any aircraft to have this ability would be phenomenal. The implications would be staggering.

If we can reduce the mass-gravity effect down to zero, we can go light speed on zero energy in the form of propulsion. The mass-propellant problem with long range spaceflight using propellant mass would be solved. Tiny amounts of energy would be needed for maintaining light speed, and energy would only be used when the ships and astronauts wanted to increase their mass-gravity effect.

CHAPTER V – EVIDENCE OF WAVE TRANSFORMATION OF MASS (REDUCING MASS GRAVITY EFFECT IN UFO CROP CIRCLE CASES

In this Chapter, we will examine precise wave patterns revealed in numerous UFO cases to identify a language of wave-transformation of mass to cause the reduction of mass-gravity effects.

If we know the language of reading wave-particle pairs in quantum physics, and how to reduce the mass-gravity effect by altering the frequency of mass, and or the graviton, when we examine crop circle wave patterns, we can see the same message once again.



These two photos are from England's 2004 Crop Circle Season

The photo on the left can be seen as a hydrogen atom, with the proton in the center and the electron floating around the outside. There are concentric rings or spirals weaving from the outer rim to the center in the larger circle and the central one. Deep inside the circles, the spirals appear to overlay in pairs (clockwise and anti-clockwise) This can be understood to emulate the wave-particle pairs of a proton or electron (and anti-particles) in a transitory orbit, moving from a lower frequency in the outer rim of the circle to a higher one as we move towards the center.

The photo on the right shows what is evident in many authentic Crop Circles: a sophisticated weave of grass that spirals towards the center.

This third photo shows the smaller circle resembling the electron in the hydrogen atom. Notice that it too has a progressive spiral orbit moving towards the center.

Abstract Idea

If these circle designs are the imprint left behind of the wave patterns that created them, what are they telling us about the structure and state of the waves that created them?

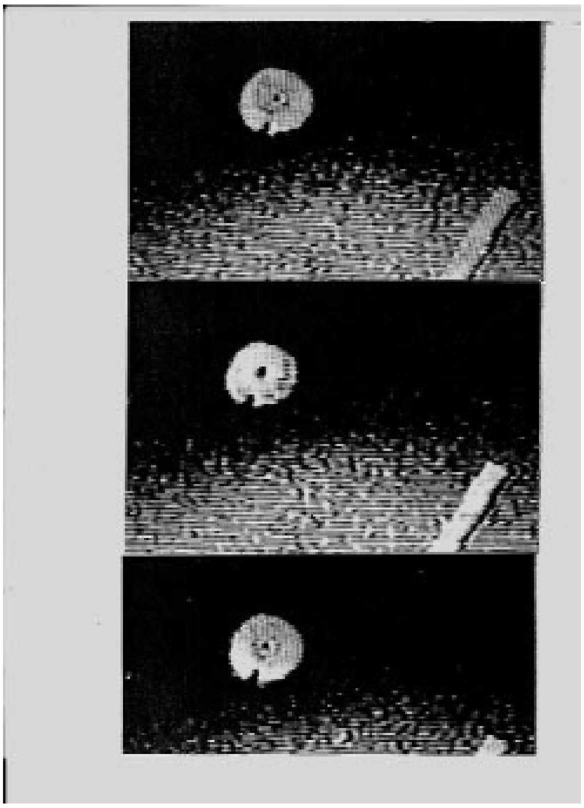
They are in a wave-progressive mode from lower to higher frequency orbits. Ordinary mass is not in a wave progressive state unless it is being transformed. The diameters of wave-particles stay relatively stable in most atoms.

If crop circle waves are traveling in clock-wise and anti-clockwise, perhaps they are trying to tell us something: that our wave generators only need to mimic the path of particle-anti-particle pairs and the sought after "differential" between the pairs will manifest as a by-product. This is an important fact when we consider experimentation.

As Niels Bohr show us, in his hydrogen atom model, when an electron jumps into a very slightly closer orbit around the atom, it radiates off a photon, giving off its energy; thus reducing it's mass, as energy and mass have an equivalency with Einstein theory.

While crop circles yield many designs, the central wave formations in each circle, or even semi-circle reveals the same progressive spiral wave formations that are evident in many authentic UFO cases.

As I have pointed out, it is all about wave transformation of mass. The waves appear very clearly in any good UFO footage. This NASA STS-75 series of photos shows the exact same wave formations evident in Crop Circles.



But if Crop Circles are telling us a more precise language of wave transformation, perhaps we should consider looking further into them and comparing authentic crop circle formations with quantum physics models. I do not believe a full study has been done here.

CHAPTER VI – SPACE PROPULSION FOR LIGHT SPEED AND BEYOND

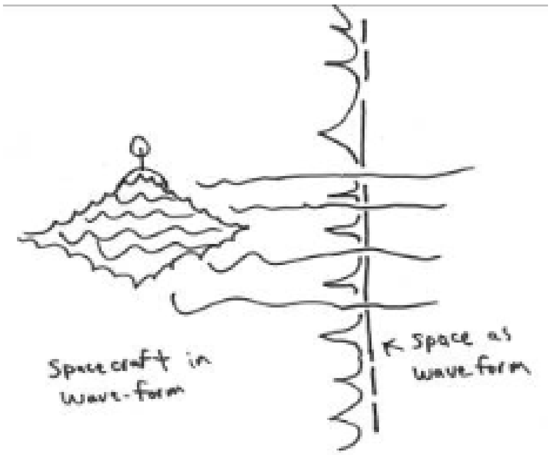
In this Chapter we will compare David Sereda's theory on breaking light speed published in (copyright 2000) Evidence, the Case for NASA UFOs, and Joao Magueijo's "Faster than the Speed of Light" (copyright 2003).

In "Evidence, the Case for NASA UFOs," I proposed a new theory on how mass-less photons could break the speed of light, and further how a spacecraft that reduces it's mass-gravity effect could do the same.

The way I did this is by showing the progression of quantum gravity waves that go into smaller and smaller (higher frequency) orbits, which causes mass-gravity to keep on reducing. Because we can go into the micro-universe, and wave can get smaller and smaller in wave-length, the frequency of wave-particles can go towards an infinitely higher frequency, thus the mass gravity-effect of that wave-particle pair can reduce towards an infinite zero point.

Even photons can get as if "lighter" and this ultimately causes them to break the speed of light. These photons would be undetectable to relativity because of their velocity being beyond relativity's grasp (the speed of light).

As I showed in the model used previously,



Spacecraft as wave-form moving through Space as Waveform
Both are Pulsed & Timed

If we assume the space craft is a photon, as its waves pass through the intervals of the wave form that space itself is, then this photon becomes invisible to relativity. But the photons that bounce off of the peaks of the wave formation of the background of space, remain visible, even though they are of a very high frequency. The higher frequency photons that pass through the intervals of the background of space waveform, do not encounter as much inertia, and thus they accelerate faster than the speed of light.

Dr. Raymond Chiao's Photons Break Light Speed by Micro-tunneling

We will also explain how and why Dr. Raymond Chiao's revolution in causing photons to break the speed of light occurred (1989) in the Galaxy Clock Model. Today, using similar methods scientists claim to be at 300 times the speed of light. But it seemed they didn't understand "why" it was happening.

Of most interest to us here in Quantonics, is the work of Raymond Chiao at UC Berkeley. He regularly performs table top experiments with an optical rig that races correlated photons. One of the photons has to go through a barrier. The barrier is opaque to this photon's energy/frequency. So if it gets through the barrier, it had to perform a quantum tunneling feat. Chiao shows, and others have verified in independent experiments, that the photon **tunnels through the barrier at 1.7 times the speed of light!** He says, "It's surprising, and not everyone likes it, but it's true." Freedman tells us that theoretically the experiment applies to matter as well as light. Some of the other disclosures in this article are profound. Get a copy and read this!!

I believe the "quantum tunneling" of the photon caused its frequency to increase and its mass-gravity effect to decrease, and thus overcomes the inertia of the background forces of the universe, and accelerate beyond light speed.

It is really consistent with the way I explained this in the discovery of using the "galaxy clock" to measure wave-particle pairs in all 4 dimensions.

Even **Joao Magueijo (Ph.D. Cambridge), in his book Faster than the Speed of Light (Copyright 2003),** goes on an immense journey to break the speed of light and does it exactly as I had presented in "Evidence, the case for NASA UFOs": quantum tunneling gravity waves, or even quantum tunneling EM waves. That was his final outcome. He didn't even mention Raymond Chaio's work at Berkeley, CA starting in 1989.

But my work was copyright in 2000, and first printed in 2001, 2 years before his. Were we onto the same truth? Soon, I had discovered an even more astounding way to break the speed of light on lower frequency waves, and it was even better.

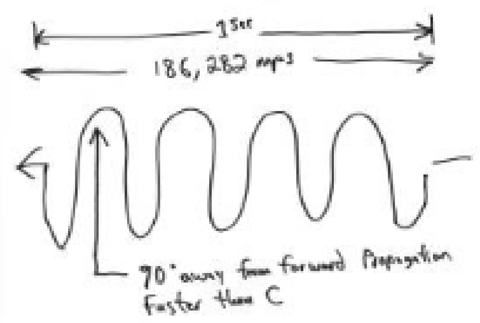
A new way to break light speed on low frequency waves

Also, a new theory on how to break the speed of light in the very low-frequency wave dimensions. This new work will explain parallel dimensions that are invisible to relativity that cross one another towards infinity at many times faster than the speed of light.

This discovery came to me in the fall of 2003, in Taos New Mexico.

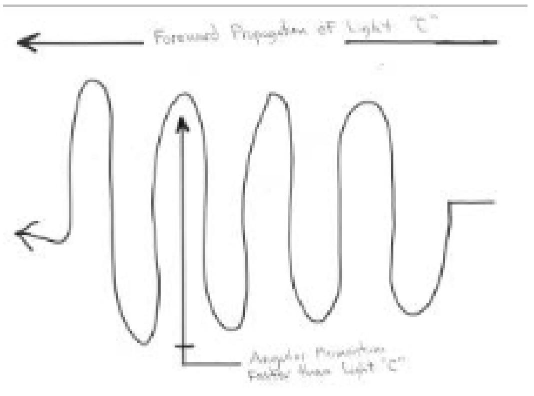
Abstract

While light waves are now understood to be tunneling by nature, rather than just bobbing up and down on an imaginary, infinite 2 dimensional space (absurd), we know that the spin velocity is faster than the forward propagation of light speed/c.



It is so startling simple, if we turn away 90 degrees away from the forward propagation of a light wave , seen in the above diagram moving right to left, we can see a velocity that is faster than the speed of light, but the diameter is too small to be significant to conquer any reasonable space distance.

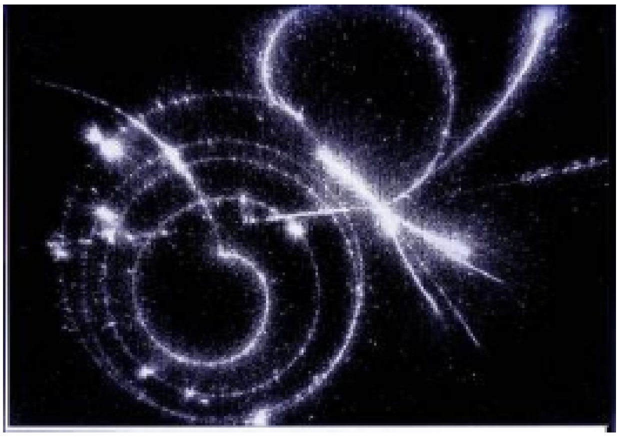
It was staring Joao Magueijo right in the face. He even briefly mentioned it in his book, "Faster than the Speed of Light," and then just skipped by it, because of the fact that the diameter (wavelength) is too small. But what happens, as we can manipulate radio waves, if we alter the frequency of the wave, it's diameter gets larger. In fact, we can stretch that diameter across any distance in curved space we want, and we can travel 90 degrees away from the forward propagation of a light wave, at somewhere around 3.14 x c, but this is not an exact figure.



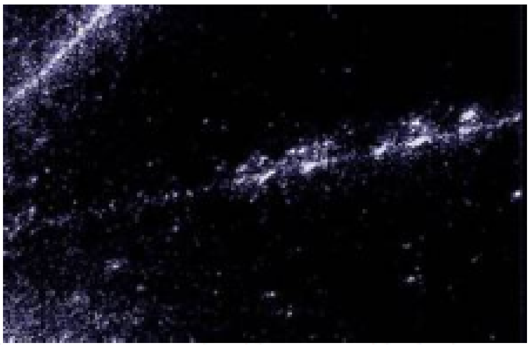
These dimensions of a light wave would be undetectable by relativity, and never appear visible.

Also, not matter how much we change the frequency of a light wave, its forward propagation would always be c because of its ability to adjust the angle of the wave.

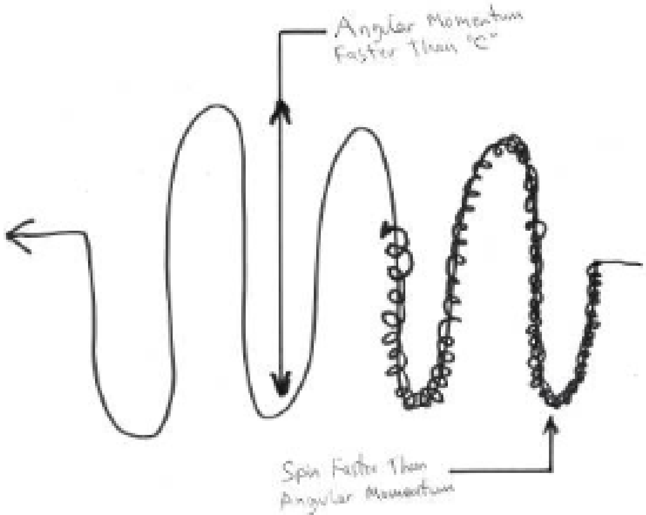
But how could I go faster than this one step leap? I can go much faster if I reveal a deeply hidden clue in quantum physics.



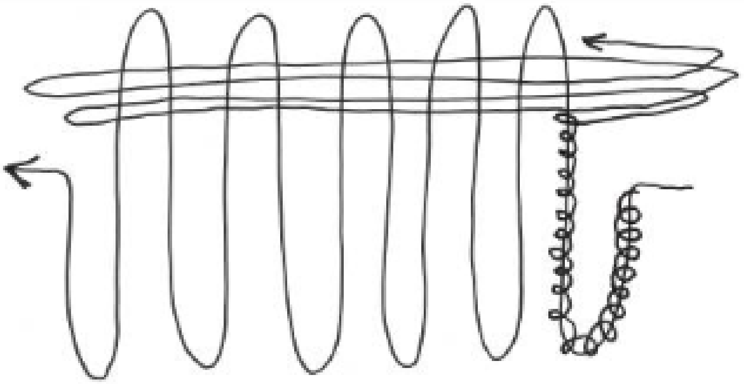
If we look closely, we can see in this atomic collision photo taken in a streamer chamber, above center right, moving right to left, an anti-proton is accelerated to near the speed of light. While at first glance, it seems to be moving straight in, but looking closer, we can see it too is spiraling as it propagates along its curved velocity through space time.



Examining the area closer, we can see that if we magnify the longer curves, or even shorter curves that wave-particles leave in bubble and streamer chambers, that they too are spiraling as they forward propagate in their wave forms. It is a little fuzzy, but the spiral is there and the wave peaks are clearly visible. What does this mean?


Angular Momentum Faster Than "C"
Spin Faster Than Angular Momentum

This diagram shows what we are really dealing with in examining light waves, and the nature of all wave-particle pairs: that there are infinite vortexes upon infinite vortexes. In this diagram, if the forward (right to left) propagation of a light wave is 186,282 mps, then how fast is the 90 degrees away from the forward propagation: at least 3.14 x c. But then, going further, how fast is the spiral spin velocity in the particle wave examined more closely? It has to be another exponential number greater than the last calculation at 3.14 x c. With this we can go infinitely smaller, finding even faster and faster spin velocities on wave-particle pairs.



And the, as this diagram shows, we can slow the frequency of any wave down, by first creating a wave that is in phase with it, and the diameter of that wave can be stretched across infinite distances of the universe.

If the theory is correct, these longer wavelengths with infinite spin velocities should already exist without having to manipulate the waves. But all of this would be happening right under our noses, completely invisible to relativity.

If mass or spacecraft could attune to these waves, it could travel at velocities, skipping dimensions like ours, with absolute ease far beyond the speed of light.

At this point, for a civilization to master wave manipulation and attuning mass to these very high frequency and high spin velocity dimensions, they would ultimately be able to conquer any distance in reasonable amounts of time. From our perspective, they could jump from one place too another and back before we could count to "one."

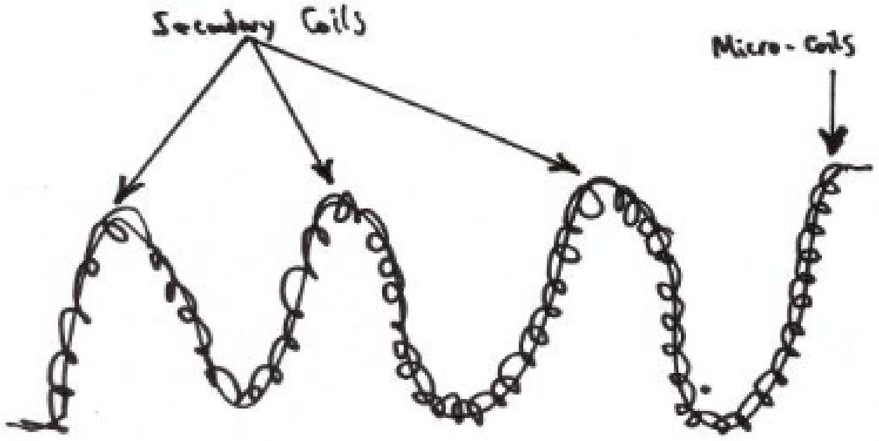
I was astounded to read an article posted on CNN that confirms my prediction: that mass in a high frequency state, at the core of a black hole can travel faster than the speed of light.

http://archives.cnn.com/2002/TECH/space/10/03/black.holes/index.html

Differentials – The missing part of the ultimate Equation

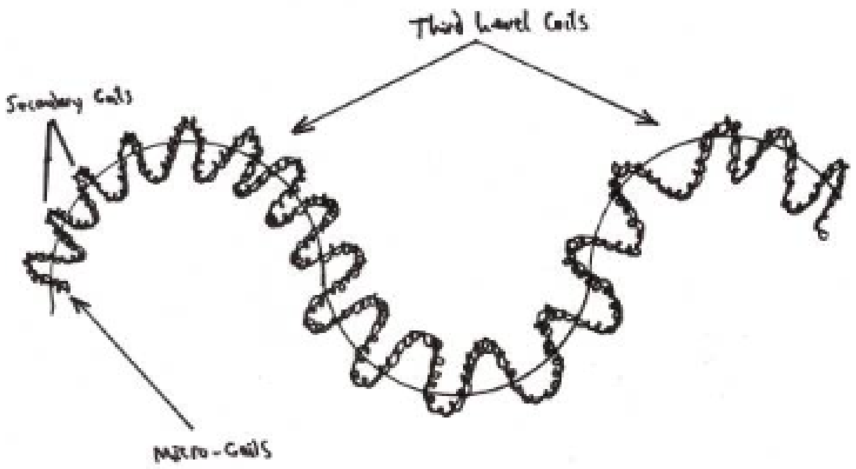
As I proposed and demonstrated that the missing "Graviton" is likely to be a differential between particle and anti-particle pairs, and that Gravity is the differential between centrifugal and centripetal forces on earth, differentials reveal themselves to be an overlooked part of the equation of the universal model in search for the ultimate truth.

If we look at how wave particle pairs reveal themselves to have vortexes within vortexes, we can see the primary and secondary wave formations reveal that the differential is the cause of the secondary and third, etc. dimensions of waves.



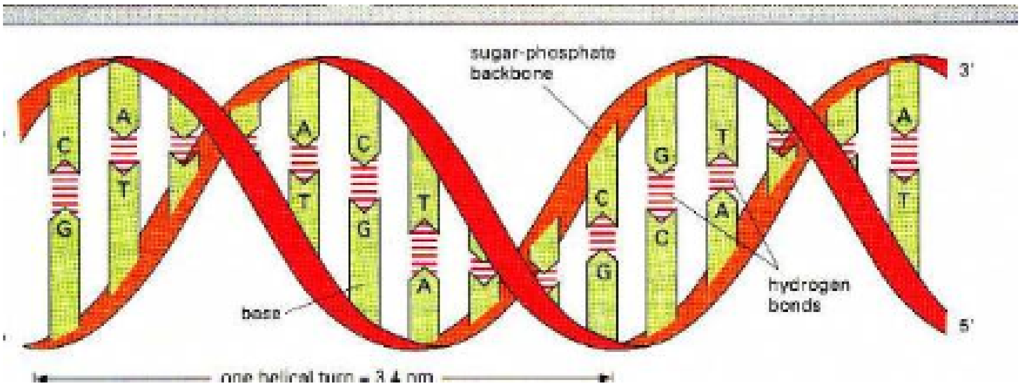
2-Level Wave Model shows Micro-Coil-Wave & Secondary Wave Forms

In order to cause a singular wave structure to bend into a secondary wave formation, the wave (dual-pair) has to have a differential (one part of the duality of the wave is slightly higher in frequency than the other) to cause the secondary wave to be born. Otherwise, the singular micro-spiral primary wave would not bend at all into a secondary wave formation. It would just propagate along in both a spiral and forward propagation. But it doesn't. It forms a secondary and eventually third, fourth, and towards an infinite possible number of spirals within spiral.



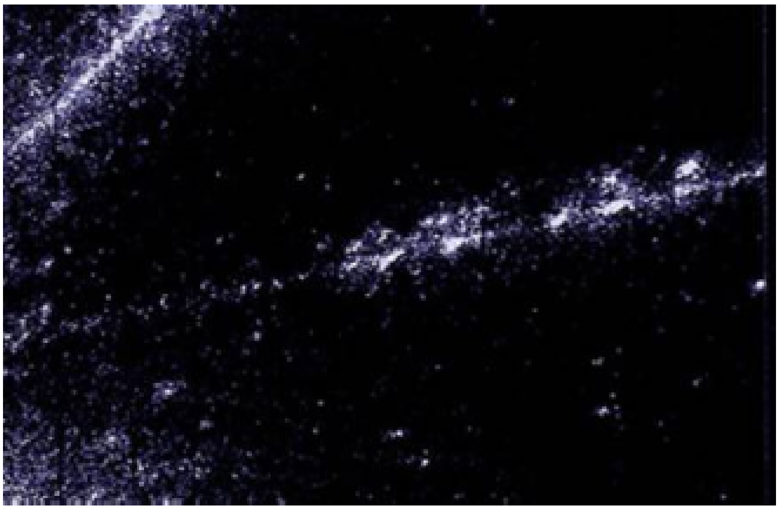
3-Level Wave Model shows the Infinity Principle

The magical differential is dual paired spirals reveals the hidden formula that causes all multi-levels of the universal wave model to manifest. Because each dimension has different aspects with regards to how it relates to relativity as we know it.



DNA double helix also reveals the differential: If we look at the DNA spiral as a double helix, and separate out each single helix, and if we place them on a Galaxy Clock, we will find that one single helix, when compared to its pair, will be slightly smaller in diameter (wavelength) than its pair helix (theoretical prediction). Between them will be a differential. This causes one of the pairs to oscillate slighter higher in frequency than its pair and this gives birth to a bending producing a secondary spiraling wave, and a third and so forth is how waves within waves start to emerge.

If waves were not in pairs and there was no differential, waves would propagate straight up in perfect cylindrical columns with no secondary bending. The secondary bending is indeed caused because of the fact that the pairs are not each at the exact same frequency.



If we look once again closely at this photo from the subatomic collision referred to earlier, we can see when we examine a long particle wave, that it is also spiraling in a sub-level spiral. It is the differential that gives birth to the multiple layers of spirals within spirals.

But as we also demonstrated, it is velocity of spin in the quantum world that eventually gets so fast, it become invisible to relativity and light. These ultra-high frequency particles are the doorway to understanding invisible dimensions. Light speed thus appears far too slow, and unreliable to hang a theory of Relativity on, when it cannot even detect invisible dimensions.

CHAPTER VII – SINGULAIRTY – THE REVELATION

Andromeda Galaxy

If we consider how long it takes light to travel through the space medium, it becomes almost useless to detect any events in the Galactic terms over such great distances in real time. We cannot even observe anything in real time in the nearest galaxy to ours, the Andromeda galaxy when it is 2.2 million light years from earth. We only see events as they happened 2.2 million years ago. Why then does light travel so slowly? Is there a way to make observations instantly over any distance and thus see events in real time in inter-galactic terms? If we could find this, we would know how to base true relativity in absolute real time without distortion, and without delay. We would see the Universe as it is happening right now.

Why light travels so slow

The reason light travels so slowly (186,282 miles per second) and not at instantaneous velocities over any intergalactic distance or even short distance, is because it encounters resistance (inertia) as it tries to propagate in any direction. What causes inertia is a body of wave-particle pairs. Wave particle pairs are always in duality, and always eventually meet up with opposing wave particle pairs. Opposition causes resistance (inertia) to force or slow down the movement of any wave particle pair in the Galaxy, including light (which is a single wave particle).

When we look at this, we can almost se the metaphors in our own lives, that when we have the desire to move in any direction, something will oppose us. That resistance will always be met, physically, politically, spiritually, or emotionally. Even if we have a thought, opposing thoughts manifest in our minds and the difference between opposing thoughts and our thought of action will be a weak left over force that moves along in some kind of a direction.

What causes Inertia

Now all atoms (matter) are founded in dual pairs: Proton-anti-proton, electron-anti-electron, neutron-anti-neutron, quarks and anti-quarks, right down to the waves themselves. Everything is duality. Inertia is caused when any wave positive or negative moves forward and is met with resistance from its opposite or opposing force. This always happens in a dual natured universe.

Light, the one particle we know of that has no anti-particle, spins positive and is therefore (single) on its own. It is an amazing thing to ponder. Perhaps this is why light can travel so fast, but why not instantaneously over any distance? What slows light down so greatly? Inertia. Light moves through a wave, a very long standing wave that is known as the background of space, the Cosmological Constant. This is the apparent emptiness of space. If space had no pressure or force and was a true vacuum, then light would propagate through it with no resistance and it would be instantaneous. It does not, so this tells us there is pressure or inertia encountered, proving that the Cosmological Constant is a wave, a very long wave with a period greater than the period that a galactic wave oscillates (our Milky Way Galaxy oscillates once every 250 million years). Long standing waves are hard to measure because in a single lifetime, we will never see one happen. If the cosmological constant is also a long standing wave, it may have an oscillation factor of once every 12 billion years or greater. No one knows it the universe is just one long standing wave because we cannot measure its period. But the law of inertia tells us it must be a wave because that is what opposes light and puts pressure on it to slow it down.

So even though light is single, it is opposed by an alternate opposing force as it moves through the Cosmological Constant's Negative pressure (positive energy = duality). Duality always slows things down. The speed of light is just that, a speed. It is not instant, especially in galactic terms.

Singularity

Jesus said, "If thine eye become single, thy whole body shall be filled with light." It is amazing to me that what Jesus spoke about 2000 years ago rings true to physics today.

When Adam and Eve partook of the fatal knowledge of "Good and Evil" they partook of duality, (conflict), which is what happened to all matter in the material universe. It became encoded with duality. This could not be a coincidence that we would find this to be true. Light is the only particle we know of that is "Single," not in a dual state. It spins positive (as positive energy) and has no anti-particle inside of it. But light alone encounters its opposite as it propagates through it, the background of space, the Cosmological Constant Negative Pressure, Positive Energy duality.

But true Singularity would be a higher truth than light as we know it in regards to Relativity. Jesus said in the Gospel of Thomas, that "I am he who exists from the Undivided…." The Undivided is True Singularity, beyond the duality of the Universe as we know it.

To find true Singularity would be the Holy Grail in Physics, if anyone could find it. It would practically prove what Jesus was talking about, and scientifically prove that God exists. I had been looking for true singularity, a form beyond all duality in Physics ever since I finished breaking the speed of light by many times, and still finding myself frustrated with even how slow that is in galactic terms. No absolute relativity could hinge and rely on a force so slow as the speed of light. It was also too slow for me in terms of Advanced Aerospace Propulsion. At the speed of light, I would have to travel in a space ship for 2.2 million years to get to Andromeda (our nearest Galaxy). That is ridiculously slow. UFS have to be far more advanced than even the speed of light. Singularity would be the only true force that is beyond space and time because it would be instantaneous over any distance, making it the only true force to base Relativity on. That is why I was so passionate about finding it. But why Singularity? Why would it be instant?

Paul Dirac

Paul Dirac (shared the Nobel Prize in Physics in 1933 with Erwin Schrodinger) wrote an infamous paper on Singularity, further written by Donald Hotson called, “Dirac’s Equation and the Sea of Negative Energy (Parts I and II).” When I read this I was astounded. But what really astounded me was this paper was rejected by the mainstream physics community. When I heard that it was rejected, I just had to read it. Dirac won the Nobel Prize. Jesus said, “The stone which the builders rejected, this became the chief cornerstone.” (Luke 20:17). Now I had to read it. If mainstream physics could answer my questions, I would go to them, but they couldn’t so I will go to the stone that was rejected.

Donald Hotson paper on, “Dirac’s Equation and the Sea of Negative Energy (Parts I and II),” may just be the most single important paper ever written in the discovery of Physics of our time. That is how I feel about it after I read it. The only thing I think he is missing is the “Differential” between wave particle pairs that I have discovered. That adds an element that would explain the unthinkable: there is no Time.

In a Secret Gosepl of John, John said: - "Master, is there any material universe?" Jesus answered: -"No." John asked: - "Is there matter?" Jesus answered: - "No."

My first thought was that if we could cause light to exit the material universe, it could move instantaneously anywhere, because it would encounter no resistance. No resistance means that nothing slows it down, and its velocity would be infinite and instantaneous and would be beyond time.

But Dirac’s paper recorded the birth of all matter (electron-positron dual pairs) from high frequency light waves (gammas):

> In defense of Heisenberg, the experimental evidence had indeed begun to
> Look as if “creation” and “annihilation” were actually happening. In
> Cloud chambers studies of cosmic rays, high energy gamma rays (photons)
> Suddenly gave birth to electron positron pairs (epos), which separated
> at high velocity. The positron then would approach another electron, and
> The two would disappear, being replaced by high energy (0.511 MeV)

> Photons.

What Dirac found out was that the dual base pairs of matter (electron-positron pairs) were being created and annihilated as if from nowhere. They came from apparent emptiness, and went back into it without a trace.

This is starting to sound like Buddhist principles: that all phenomena come from emptiness, and return back into emptiness; and are thus impermanent. The emptiness, is the goal in Buddhism, to not identify with impermanent phenomena and to follow, in the mind, the path that all impermanent phenomena make, because if we find it in our mind, we find Enlightenment; the place of the One.

Dirac was intent on finding just where all dual pairs were created from and then annihilated back into. This place would seem to supply the universe with an infinite amount of energy. This place, Dirac found, was called a "Sea of Negative Energy" where every pair of opposites are not pairs of opposites because they are all singular charged particles that are all negative (counterclockwise spin). The Sea of Negative Energy proposes an entire substratum to the universe that is Single (and has no opposing force in it) and to enter it or to be born in it, everything is "Single," and there is no duality in it and to annihilate or return into the Sea of Singularity, one cannot remain a duality.

If we say that this Sea of Negative (Singularity) exists as a substratum to the universe, and anything (consciousness, spaceship or force) could enter it and become single also, it could travel instantaneously through any distance in space and thus conquer the whole universe in zero time. The reason being that in a Sea of Singularity, there is no opposing force to cause inertia to slow anything down. It is all one, and thus perfectly uniform. There is no resistance in Singularity.

This presents itself as the only force that is truly beyond space and time. If we consider the spiritual models of the Buddha and Christ I presented, and that they knew about Singularity, and how duality was born as a lower nature out of it (the fall from divinity in the Garden of Eden by partaking of duality "good and evil"), this then proves that Jesus was from Singularity, the highest goal in physics. This is scientific proof that God exists.

When Dirac realized that travel through the Sea of Negative Energy was instant, and that in fact there was no travel or time because everything there is instant, he could solve the largest problem in Astrophysics, that the Big Bang theory could not answer: why is the temperature of the Cosmic Microwave Background Radiation that permeates the whole universe as far as the Hubble Space telescope can see, even and not gradient?

> Most cosmologists today believe that the universe we inhabit exploded into being some 15 billion years ago in a titanic fireball called the big bang. The modern big bang theory does not state that a concentrated lump of matter located at a particular point in space suddenly exploded, sending fragments rushing away at high speed, but that space itself came into being at the moment of the big bang. The birth of the universe is said to have happened in the following manner [1]. In the beginning, a

> tiny bubble of spacetime, a billion-trillion-trillionth of a centimetre across (10-33 cm), popped spontaneously into existence out of nothing as the result of a random quantum fluctuation. It was seized by an intense anti-gravitational force which caused it to expand with explosive rapidity. In scarcely more than a billion-trillion-trillionth of a second the universe swelled to about 10 cm, the size of a grapefruit. The anti-gravitational force then disappeared, and the inflationary phase of accelerating expansion came to an abrupt halt amid a burst of heat. The heat energy and gravitational energy of expanding space then produced matter and, as the universe cooled, more and more structure began to 'freeze out' -- first nuclei, then atoms, and finally galaxies, stars, and planets.

Had there been a Big Bang, actually, its core explosion temperature would be infinitely hot and as the universe cooled, over time, the background temperature of the universe would be a gradient curve. In reality, it is not a gradient, but a uniform temperature. In order for it to be uniform, the Big Bang could not have happened the way Einstein thought with regards to Relativity.

But Dirac's Sea of Negative Energy shows that when creation comes out of a uniform Sea of Singularity that is beyond all velocities of light, and is truly instant over any distance, thus as creation happens and matter is born into space, its friction (temperature) upon entry would be uniform; just as the Cosmic Microwave Background Radiation appears, uniform in temperature.

Now, if I can build a spaceship and transform its wave state into singularity and enter the Sea of Singularity, I could travel to the Andromeda galaxy (2.2 million light years away) in an instant.

Singularity represents the only true force to base Relativity on to observe and communicate any distance, observe any event over any distance, in absolute real time. Light is simply just to slow.

But what is most exciting about Dirac's rejected paper to me is that it has proved that God exists, and that is a landmark. It should be the greatest discussion in the world!

David Sereda

Time – using the Galaxy Clock to Conquer the mystery of Time. It appears that every event, and every possible history, has actually already happened, but it is Time that prevents us from experiencing those moments until it allows them to unfold.

This Chapter will be available at a later date. It is perhaps the most profound work I will ever tackle.

Part II

Building Experiments based on the Hypothesis Set Forth in Part I

This section will be developed at a later date